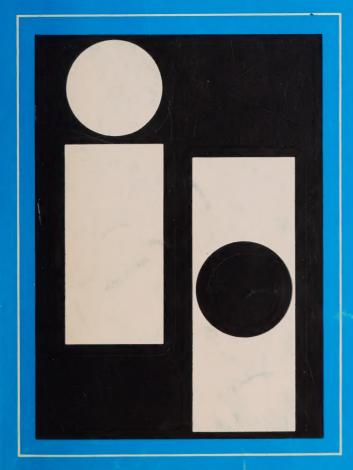
input-output study of the atlantic provinces, 1965

volume I social accounting matrix and models

kari levitt







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INPUT-OUTPUT STUDY OF THE ATLANTIC PROVINCES 1965

VOLUME 1: Social Accounting Matrix and Models

by

Kari Levitt

Published by Authority of The Minister of Industry, Trade and Commerce

June 1975 3-2000-503

Price: \$6.00



CATALOGUE

15-503E

OCCASIONAL

Input-Output Study

of the Atlantic Provinces, 1965

Volume I

ERRATA

Page 84, Table 2.12 A.	Exports ³ (186.9)
Page 84, Table 2.12 B.	Exports ³
Page 87, Table 2.13 C.	Wages, Salaries and SLI 615.1
Page 160, List 8	China wood oil
Page 162, List 8	Hardboard (birch, maple, oak) 27106
Page 167, List 8	Lead oxide 37891
Page 176, paragraph 5	"domestic coefficient $(I - \mu)$ " should read " $(I - \hat{\mu})$ "
Page 185, paragraph 2	"Inter-industry Input Coefficients $\mathring{J}\overset{*}{B}$, \mathring{J} $(I-\mu)\overset{*}{B}$ " should read " $\mathring{J}\overset{*}{B}$, $\mathring{J}(I-\hat{\mu})\overset{*}{B}$ "
Page 204 and 205	Table 4.11 Table 1 should read Table 4.11 Model 1
Page 208, end of paragraph 2	"as shown in column 31 of Table 3.2" should read "as shown in column 30 of Table 3.2"
Page 209, end of paragraph 1	(right side) "from Table 3.8 A by the corresponding element in i'_n [$\overset{*}{J}$ ($I - \hat{\mu}$) $\overset{*}{B}$] from Table 3.5D" should read "from Table 4.8 A by the corresponding element in i'_n [$\overset{*}{J}$ ($I - \hat{\mu}$) $\overset{*}{B}$] from Table 4.3 D"
Page 209	Bottom line (Table 4.8 A)
Page 210, paragraph 2	(right side) "Columns (4) and (8) are derived from Table 4.8 B and 4.10 C" should read "Columns (4) and (8) are derived from Table 4.8 A and 4.10 C"
Page 216, item (3)	(See page xx) two references, should read (See page 223)
Page 224, paragraphs 1 & 2	(right side) (See Table 3) should read (See page 217 and Table 4.19)
Page 230, Table 4.24	Source: Tables 4.10 (iii) and 4.11 should read Source: Tables 4.10 C and 4.11



FOREWORD

The Input-Output Tables and Models described in this Volume and in Volume 2, ("Input-Output Study of the Atlantic Provinces, 1965 – Structural Analysis and Data Sources"), make up a Special Monograph prepared by Professor Kari Levitt of McGill University.

Statistics Canada is pleased to publish this monograph and to assume responsibility for the statistical material presented in it. The analysis and conclusions are Professor Levitt's and do not necessarily represent the views of Statistics Canada.

PETER G. KIRKHAM, Chief Statistician of Canada.



PREFACE

The distinctive character of Canadian Input-Output analysis, which is well-recognized throughout the world today, had its beginnings in the early sixties when, independently of each other, Professors Levitt and Matuszewski began to compile rectangular commodity by industry Input-Output accounts for the Atlantic Provinces and Quebec.

Professor Levitt presented a preliminary report on her work at the 1964 Canadian Political Science Association meetings which witnessed the first debate on the new accounting format. A number of discussants questioned the possibility of developing normal input-output models from these rectangular accounts. Other discussants conjectured that the rectangular format would provide more flexibility for analysis.

The debate was joined again in the 1965 Canadian Political Science Association meetings. Professor Matuszewski presented his solution to the analytical dilemma by showing that the rectangular system could provide the data base for models incorporating variable input-output coefficients, thus freeing input-output analysis from excessively restrictive proportionality assumptions. The Dominion Bureau of Statistics, which had also adopted the rectangular format by this time, presented a paper showing that most traditional input-output models and a number of variants could be derived easily from rectangular accounts.

Meanwhile the work on compiling the rectangular tables proceeded. In 1966 Professor Levitt completed tables for the Atlantic Provinces for 1960. A year later, the Dominion Bureau of Statistics undertook to compile tables for the Atlantic Provinces for 1965. The work continued to be directed by Professor Levitt.

This two-volume publication describes the statistical and analytical work embodied in the Atlantic Provinces Input-Output studies. A number of important contributions, both expository and analytical, which flowed from these studies deserve mention.

In Volume I Professor Levitt explores the algebra of standard rectangular input-output models in a methodical way. Apart from a relatively brief treatment in the Dominion Bureau of Statistics publication of the 1961 Canadian Input-Output Tables there is no readily available source on this subject. In view of the growing interest in rectangular systems Professor Levitt's exposition should meet a real need.

Professor Levitt's accounting innovations are not confined to the rectangular format. The Atlantic Provinces Input-Output Tables feature Income and Outlay accounts disaggregated by industry. These form the basis for models which trace the value added in production through factor incomes and transfers to those final expenditures whose magnitudes are highly correlated with levels of sectoral incomes. Thus Professor Levitt's models are "closed" not only over the household sector but over most of the non-discretionary incomes and expenditures of the government sector. These innovations are primarily conceptual and methodological in character: Professor Levitt starts out with the same inadequate data available to everybody else, adapts or truncates income and outlay conventions to match data constraints and derives significant new apparatus for extending the circuits of purchasing power in input-output models.*

^{*} In subsequent (as yet unpublished) work on a system of national accounts for Trinidad and Tobago Professor Levitt goes further, disaggregating industrially not only the Income and Outlay Accounts but parts of the Capital Finance and Balance of Payments Accounts.

Of the numerous contributions to Input-Output analysis to be found in these two volumes perhaps the most notable is the treatment of Input-Output multipliers. Professor Levitt develops a unique measure of interdependence, related to the major characteristic root of the Input-Output matrix of coefficients, which can be disaggregated to show the (negative) influence of foreign trade on the degree of interdependence as well as the contribution to interdependence of the various industries in an Input-Output Table. These measures of interdependence are not only a property of rectangular systems but can be calculated for interindustry systems as well.

T. Gigantes,
Director-General,
System of National Accounts
Structural Branch.

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SYMBOLS

The following standard symbols are used in Statistics Canada publications:

- . . figures not available.
- ... figures not appropriate or not applicable.
 - nil or zero.
 - -- amount too small to be expressed.
 - p preliminary figures.
 - r revised figures.
 - x confidential to meet secrecy requirements of the Statistics Act.

CHAPTER 1

INTRODUCTION

INTRODUCTION

In the course of a seminar sponsored by the Atlantic Provinces Economic Council on "Needs and Opportunities for Economic and Socio-economic Research in Canada's Atlantic Provinces" held in October 1958 at Dalhousie University, a group of 18 economists composed in large part of individuals originating or residing in the Atlantic Provinces, outlined a program of economic research directed towards finding a conceptual framework for the development of the Atlantic Region. Seventh in a list of eight suggested research topics read as follows: "then insofar as data will allow it, it seems to us that it would be useful to study the relations among industries, the intersectoral relations within the region". In the course of his presentation of the recommendation of the group of economists, W.C. Hood - at that time Professor of Economics at the University of Toronto – observed that "the persons undertaking studies of the kind I've described will indeed encounter statistical difficulties . . it takes time to develop statistics". In the long perspective of hindsight this innocent and apparently trivial statement clearly embodies great wisdom and should perhaps have been taken as a warning to the writer to refrain from commencing a task which has taken twelve years to complete.

The two volumes of this study are offered as a statistical tool kit which will, we hope, be of assistance to citizens, scholars and governments seeking solutions to the social and economic problems of the Atlantic Region. In general we have followed the guidelines set out in "Inter-Industry Study of the Economy of the Atlantic Provinces" presented to the CPSA Conference on Statistics in 1964(21). A preliminary and condensed version of the present two volume study was read to the Canadian Economics Association in 1969 under the title "A Macro-Economic Analysis of the Structure of the Economy of the Atlantic Provinces, 1960" (22).

We are painfully aware of the fact that statistical research, however carefully conceived and executed, is no substitute for the formulation of rational economic and social policies. The principal difficulties here lie in the nature of the political decision making processes which must establish a consensus concerning the social objectives of public policies. A careful reading of the items contained in the select bibliography found at the conclusion of the second volume of this study leaves the inescapable impression that the expenditure of public funds without a coherent and relevant conceptual framework - or development strategy - is incapable of alleviating the relative underdevelopment of the Atlantic Region. This study has been, from its inception, rooted in that belief - a view shared by colleagues in the Atlantic Provinces whose moral and financial support gave us the resources to begin this work and the motivation to continue it to its conclusion.

The initial plan for the input-output study was developed in duscussions with Professor W.Y. Smith then at the University of New Brunswick and Mr. A.C. Parks, then research director of the Atlantic Provinces Economic Council. Professor John F. Graham of Dalhousie University was instrumental in securing a modest grant from the Atlantic Provinces Studies Series of the Social Science Research Council in 1961. Dr. S.A. Goldberg, of the Dominion Bureau of Statistics extended the co-operation of the Bureau which gave us access to data and facilities without which this study would not have been possible. Professor B.S. Keirstead of the University of Toronto gave the project his blessing in his capacity of supervisor of a PhD thesis which, in my innocence, I believed might eventually result from this study.

The recording of input and output data on the manufacturing sectors and work on the fishery commenced in the summer of 1962 with the assistance of Mr. John Iton, now at the Department of Economics of McGill University, Mr. Nugent Miller now at the Department of Economics of the University of the West Indies in Trinidad and Miss Geraldine Fulton whose death in 1968 prematurely terminated a promising career at the Department of Economics of Sir George William University. Financial support for summer research assistance was provided from a generous, if limited, grant by the Atlantic Provinces Economic Research Board and moral support came from its Secretary, Mr. A.C. Parks. No work could be done during the course of the academic year.

In the summer of 1963 we resumed work with the assistance of Mr. Miller and Mr. Clarence Bayne, now at the Department of Commerce of Sir George Williams University. In the winter of 1964 we obtained the help of Mrs. Noel Boissière, presently on the staff of Statistics Canada, who has worked continuously on this project as the principal research worker. Without Mrs. Boissière's limitless capacity for work, and good humour even in the leanest times, when it was never too clear where we would find the financing to continue, this study would have been totally impossible. Besides her continuing production of inspired estimates and supervision of the compilation of hundreds of tables and literally thousands of pages of text, Mrs. Boissière drafted the description of methods of construction of the tables in Chapter 3 of Volume I, the "Notes and Sources" contained in Volume II, and the select bibliography. The "Notes and Sources" represent a summary of the detailed records contained in eight volumes of working papers which were prepared between 1964 and 1966. (23,24,25,26,27,28,29,30). In 1964 Miss Wilma Augustine, also of McGill University joined the research team. Miss Augustine subsequently returned to Trinidad where she was in charge of the National Income work of the Central Statistical Office. In the summer of 1964

Miss Adlith Brown, now with the Department of Economics at the University of the West Indies in Jamaica, joined the team.

As the immensity of the task outran the financial resources of the Atlantic Provinces Economic Research Board, we were able to arrange financing from the newly established Atlantic Development Board in the form of a contract arranged through the Atlantic Provinces Economic Council. The peak of activity was reached in the summer of 1965 when we produced a rough "first draft" of the four input-output flow tables for 1960. In that summer, Mr. Miller, Miss Brown, and Miss Augustine were joined by Mr. Anthony Boissière presently with the Department of Regional Economic Expansion, Mr. Dan McDonald now also with the Department of Regional Economic Expansion, and Mr. Hugh O'Neale, at that time a graduate student at McGill University, whose tragic death in a car accident in the following year left all who knew him in a deep state of shock.

In the winter which followed, the work slowed down as again we were short of funds and short of help. Fortunately a grant from the Canada Council materialized. The difficult task of "balancing" and adjusting the flow tables was continued, and Mrs. Alison Morgan joined us at McGill University as a programmer with invaluable experience gained at Professor Leontief's Harvard Research Project. Cards were punched and we experienced our first encounter with modern data processing techniques. All tabulating and balancing up to that time had been done manually by the research team with only occasional clerical assistance, as funds permitted.

By the end of 1966 we had completed seven volumes of working papers containing detailed notes on sources and methods. These were delivered to the Atlantic Development Board, together with four flow tables, cleared for confidentiality by requesting and receiving permission from scores of firms involved. Mrs. Jacqueline Berube typed the manuscript of the working papers which comprised more than 2,000 pages and literally hundreds of tables.

Meanwhile Mrs. Boissière and Miss Brown had been invited to join the staff of the Input-Output Division of DBS and the project, for the first time since its commencement, was assured the financial and moral support necessary for its completion. The Atlantic Development Board contracted with DBS for an updating of the four 1960 tables to 1965 and also for consulting services concerning the use and application of the input-output models for development planning.

The work of updating the tables was done by Mrs. Boissière and Miss Brown in 1968 and 1969. The first formal presentation of the accounting system and models for 1960 was prepared by myself with the assistance of Mrs. Boissière and Miss Brown for the

Canadian Economics Association meetings at York University in June 1969. The text of the present volume was prepared by myself in the winters of 1971 and 1972 while on leave of absence from McGill University. Programming relating to the 1960 and 1965 tables has been done with great efficiency by Mr. Craig Gaston and Mrs. Marilyn Constantineau of the staff of Statistics Canada.

The construction of input-output accounts and the building of input-output models is clearly a specialized field of economic research and it is self-evident that the individuals working in this area, in Canada, have developed close professional relations of give and take. In the initial stages of our work, in 1962 and 1963, we were fortified in our decision to proceed with a rectangular (more commodities than industries) format by the support given to this model by Professor T. Matuszewski of the University of Montreal (now of Laval University) and his associates at the Ouebec Bureau of Statistics. While our treatment of income generation and intersectoral transfers differs from Professor Matuszewski's more flexible approach, it was strongly influenced by the four quadrant schema of the Ouebec System of Accounts.1 Although our work had been physically located at Statistics Canada since its inception, it was not until 1967 that we seriously began to exchange ideas with the staff of the Input-Output Division of Statistics Canada. Prior to 1967 our research unit enjoyed the hospitality of the Industry Division and the Merchandising and Services Division and their respective Directors at that time, Mr. V.R. Berlinguette and Mr. F.J. Rashley. We wish to express our appreciation for the physical accommodation made available to us by Statistics Canada since the inception of the project

Inasmuch as our four input-output tables for 1960 and our analytical models were completed before the 1961 input-output tables for Canada, our work might be said to have served, to some degree, as a pilot project for the Canadian input-output system. The relationship was undoubtedly of mutual benefit to all concerned. We received invaluable assistance from the Director of the Input-Output Division of Statistics Canada, Mr. Terry Gigantes, in solving problems encountered. At the same time, our project focussed attention on problem areas whose solution subsequently contributed to the Canadian Input-Output System. In the writing of this report we have appreciated the enthusiastic support given by Mr. Terry Gigantes. I am particularly indebted to Mr. Gigantes for his uninhibited

¹ T.I. Matuszewski and others. "Aide mémoire concernant le système de comptabilité nationale du Québec." October 1963, (31). See also more recent and complete expositions of the Quebec system in "Le système de comptabilité économique du Québec". Volume 1. July 1967 (36), "Un système rectangulaire d'échanges inter-industries à rendements non proportionnels". September 1965 (34), and "Some Remarks on an Econometric Model of a Provincial Economy", November 1965 (35).

readiness to check, correct and improve my algebraic manipulations and for his collaboration in exploring the character, significance and operational use of the input multipliers. We have equally appreciated assistance received from Mr. Paul Pitts of Statistics Canada in improving the presentation of material contained in Chapters 2 and 3 dealing with our system of provincial economic accounts and the characteristics of the system of input-output flow tables. We would also like to acknowledge the editorial corrections suggested by Mrs. Shaila Nijhowne in the final stages of the work. Indeed the intellectual environment of the Input-Output Division of Statistics Canada was both stimulating and comforting to us throughout the project. We wish to take this opportunity of thanking the entire staff of the Input-Output Division for their helpful and kind hospitality.

A very different, but equally important source of stimulation came in the form of demands from many quarters for access to our models and for assistance in operating them. From the initial completion of the 1960 tables, the Atlantic Development Board, and consultants to whom it had subcontracted various sectoral studies, as well as provincial governments and their agencies in the Atlantic Provinces, came to seek help. The time spent and frustrations experienced by myself and others in attempting to explain the system to potential users, convinced us of the necessity of producing a comprehensive methodological exposition such as is contained in this study. The "opportunity cost" of embarking on this exposition has been a high one. Some readers will undoubtedly be disappointed at the fact that the emphasis in this study is so strongly methodological. I am however convinced that the insights to be gained from input-output analysis are sufficiently significant to merit a demystification of the technique. It is my sincere hope that these two volumes will put at the disposal of individuals and research units working for governments, universities or on their own account, a powerful analytical tool. It will, one hopes, reduce reliance on professional consultants who have in the past been able to extract extravagant fees for input-output studies some of which have been of dubious quality.

This study is divided into two volumes. The first volume contains an exposition of the overall design of our system of provincial economic accounts; a description of the 10 input-output tables which have been constructed for Newfoundland, Prince Edward Island, Nova Scotia, New Brunswick and for the Atlantic Region as a whole for both 1960 and 1965; and a comprehensive presentation of open "rectangular" input-output models. Whereas the first volume focusses on methodology, the second volume focusses on results. It contains the principal findings of our input-output study, supported by primary and derived analytic tabulations for 1965 for each of the four Atlantic Provinces, as well as for the region as a whole. It also contains a comprehensive account of sources, methods

and definitions used in the compilation of the tables,² as well as a select and classified bibliography.

Clearly a great volume of statistical source material is embodied in this study. The numerous internal checks of the accounting system have, of necessity, forced us to evaluate and re-evaluate the quality of our estimates and, where necessary, the quality of original data. No explicit effort was made to bring our estimates into accordance with those obtained by others who have constructed national income and product accounts for any or all of the Atlantic Provinces.³

This study will, we hope, open new perspectives on economic research in the Atlantic Region. We conclude these introductory remarks by outlining an agenda of future research work which the constraints of time and resources have not permitted us to undertake ourselves. We do not seek to conceal our conviction that there are important areas of economic research which would gain in statistical quality and operational usefulness by accommodating to the accounting system developed in this study - with appropriate and necessary improvements as work proceeds. The list of suggested future work is confined to research which is "macroeconomic" and quantitative: it seeks to fill the obvious gaps in our system of provincial economic accounts. No implications are intended as to the priority of this type of research as compared with studies relating to institutional and historical aspects of Atlantic development, or detailed evaluations of the effectiveness of particular federal and provincial initiatives undertaken in recent years.

1. Time Series Analysis of the Major Components of Income, Expenditures and Fiscal Flows

As is well known, Statistics Canada does not produce income and expenditure accounts on a provincial basis. In the absence of "official" provincial income and product accounts, a number of agencies and individual research workers in the Atlantic Provinces have produced such estimates. The earliest and most comprehensive of these was developed by A.C. Parks and D.B. Das Gupta of the Research Centre of APEC (41, 12). Their methodology was applied to New Brunswick by N.G. Mulder and R.L. Simpson (40). The series for the Atlantic Region as a whole were revised by APEC. (2) subsequent to the publication of revisions of Canada's National Income Accounts in 1969. Estimates of the national income and product for Nova Scotia have been made by S. Czamanski (9,10,11) and K. Scott Wood (43,44) under the auspices of the Nova Scotia Voluntary Planning Board, the Nova Scotia Department

³ For a comparison of our results with those obtained by

others see Volume II.

² In addition to a summary of the seven volumes of working papers which we prepared between 1964 and 1966, the description of sources and methods in Volume II explains the methodology and data used to update the 1960 tables to 1965.

of Trade and Industry and the Institute of Public Affairs of Dalhousie University. Although each set of estimates is somewhat different from every other, all of them differ markedly from the estimates for 1960 and 1965 implicit in this study. While definitional differences between our study and estimates made by others do not permit direct comparisons of all components, we believe that definitional differences do not account for all major discrepancies. In general our estimates of income and expenditure are higher, and in the case of provincial exports and imports they are substantially higher than those made by others.

The publication of our accounts and the related material on sources and methods for 1960 and 1965, together with the 1972 revisions of Canada's national income and expenditure accounts invites a reexamination of the methodology of existing provincial income and product series in the Atlantic Provinces and the construction of authoritative and standardized accounts for each of the four Atlantic Provinces. Provincial economic accounts series should be decomposable into major categories of final expenditure, of types of incomes and fiscal and other transfers. They should be accompanied by consistent series of "value added" by major industry groups and corresponding time series of employment. Exports should be cross-classified by broad categories of type and destination. Year by year sectoral accounts for the operations of the federal government in each of the Atlantic Provinces, for provincial and municipal governments and educational and hospital sectors should be drawn up.

2. Capital Expenditures and Capital Coefficients

The treatment of capital expenditures in this study is clearly inadequate. Investment expenditures should be disaggregated by major sector undertaking them with separate "cost structures" representative of different types of capital construction activity. Public sector capital expenditures should be separated from the current outlays of provincial and municipal governments, educational institutions and hospitals. Moreover, a set of capital-output ratios typical of the industries in the system would clearly add to the operational usefulness of income and employment multipliers.

3. Sources of Imports

Although provincial imports are notoriously difficult to estimate with any degree of accuracy, we feel confident that our figures are reasonably reliable. One obvious deficiency lies in the fact that we know nothing about the source of imports - other than intra-regional movements within the Atlantic area. Specifically, we have not been able to distinguish provincial imports of Canadian origin from those of foreign origin. The second shortcoming of the system lies in its "constant market share" assumption with respect to provincial and external sources of supply. It is plainly not true that all users of commodities draw their supplies in the same proportion from provincial and external sources. Moreover major industrial users of imported commodities in general know their sources of supply. Further empirical work could greatly improve our knowledge of the sources of supply of intermediate inputs.

4. Agriculture and Fishery

As indicated in the text of this study, in spite of considerable efforts on our part, we remain dissatisfied with our treatment of economic activities which span a great diversity of institutional forms of organization. The principal problems here relate to agriculture and the fishery. These activities should be disaggregated by size of operations, so as to separate subsistence, low income activity from commercial production.

5. A Methodology of a Comprehensive Planning Model for the Atlantic Provinces

In spite of sporadic efforts by Mr. Gigantes and myself, and by individual members of the staff of the Planning Division of the former Atlantic Development Board to outline a systematic procedure for the development of an operational planning model, combining given input-output relations and econometric data based on time series, with discretionary policy choices, no coherent procedures have as yet been developed. Although the minimal data base for such a model is not as yet complete, the prime obstacle to progress in the past was not statistical. It lay in an excessive degree of indecision concerning policy objectives on the part of governmental agencies responsible for policy. The resolution of that problem clearly lies outside the terms of reference which have guided us throughout this study.

CHAPTER 2

DESIGN OF A SOCIAL ACCOUNTING FRAMEWORK
FOR A PROVINCIAL ECONOMY



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The social accounts and input-output models which are developed in this study are designed to serve as a technical and statistical aid in the formulation of a strategy of economic development for the Atlantic Provinces. It should be unnecessary to warn the reader that social accounting and economic model building can never be substitutes for economic planning. Nor can the making of projections and plans be a substitute for the participation of the community in decision making. In essence, development planning consists of the systematic selection of measures designed to satisfy an ordered set of social and economic priorities. This is obviously a political process in which the multiple objectives of the communities affected by a development plan must be ranked and weighed in the light of the costs of alternative policy options. In the end no plan and no set of policies which do not mobilize the initiative and enthusiasm of the population can hope to succeed. This is so self-evident that it should not be necessary to state it, were it not for the fact that the technical sophistication of econometric devices, including input-output models, might mislead the unwary into believing that these techniques can substitute for the full participation by the people affected by economic plans in the making of policy decisions. Moreover, the professional bias of technocrats, whether operating in the governmental bureaucracy or in private consulting businesses which are sustained and financed by governments, may tempt them to place undue reliance on quantitative models which appear to yield "scientific" numbers.

Social accounting and model building can, however, serve as highly useful aids in estimating the effects of projected or planned expenditures on the provincial or regional economy. The quantification of the degree and nature of interdependence of economic activity within a province or region is unquestionably a useful aid to economic planning. Development planning requires a system of economic bookkeeping for a region which corresponds to the principal institutional units of decision-making. The accounts outlined here are offered in the hope that they might form the basis for the continuous and consistent compilation of provincial economic statistics in the future. Although designed with the requirements of the Atlantic Provinces in view, the system is generally applicable to any Canadian province, and perhaps also to regional economies in some other countries.

In the Atlantic Provinces the chief policy instruments available to raise income and employment are: government spending on the direct purchase of goods and services; (capital and/or current account) subsidization of selected industries; freight rate subsidies; and the transfers of purchasing power to persons and to local governments in the region. Because rational policies of federal government assistance to the Atlantic Provinces must take into account the pattern of economic interdependence within the region, the accounting system was designed to trace the impact of a given set of federal or local government expenditures on the provincial economy. We thought it might be useful, for example, to know more about the relationship between federal revenues deriving from the Atlantic Provinces and federal spending on transfer payments, subsidies and the purchase of goods and services in the region.

Furthermore, one would wish to be able to obtain estimates of total income and employment generated by federal expenditures. It was for reasons such as these that the accounting framework was designed to transform federal funds flowing into the Atlantic Region into expenditures by households, provincial governments, etc., and to do so with considerable flexibility. For such reasons also, it was decided to build into the accounts estimates of income arising from participation in production, and the patterns of expenditure from these incomes.

The requirements of a policy-oriented system of accounts for the Atlantic Provinces which could yield input-output models of relevance and operational feasibility led us to construct an accounting framework embodying the following main features:

1. Separate Accounts for Each Province

Because the province is the most important local unit of political decision-making, it was decided from the start to build up all estimates on a provincial basis. While this occasionally created problems of statistical estimation which would not have arisen on a regional basis, 1 the errors introduced are considered to be a small price to pay for the advantages of obtaining input-output flow tables and fully integrated economic accounts separately for each of the four Atlantic Provinces.

¹ For example, the difficulty of allocating Maritime freight rate subsidies or steamship ferry deficits, or the revenues and costs of air and rail transportation, on a provincial basis.

2. Standardization of Sectors and Estimation of Interprovincial Commodity Flows among the Atlantic Provinces

From the point of view of the Atlantic Provinces as a region, it obviously makes a difference whether one Atlantic Province tends to import something from another Atlantic Province, or from a source external to the region. In the former case somebody in another Atlantic Province will benefit from the generated income and employment. In the latter case, the feedback will stimulate incomes and employment in the rest of Canada or in foreign countries. Inter-provincial trade within the Atlantic Provinces was thus estimated in the finest commodity detail possible. In any event this was necessary to obtain, separately for each province, an estimate of imports from sources external to the Atlantic Region. Final demand was disaggregated in order to show the commodity composition of competitive imports for each of the four provinces. Public sector expenditures were disaggregated by level of government and, in some cases, by function.

3. Input-output Accounts for Each Province

Four separate sets of input-output tables were constructed in order to permit the exploration of inter-dependence of economic activity within each province. In economies as open to external trade as those of the Atlantic Provinces, input-output analysis is particularly useful in estimating import leakages associated with different types of final expenditure. From the inputoutput tables it is possible to obtain estimates of the direct and indirect impact of one unit of final demand for each product in the system on gross output levels of all industries, on non-competitive imports, and on employment. Similar estimates can be made with respect to a typical "final demand" dollar - e.g., a typical dollar's worth of exports to foreign countries, or of personal expenditure, or of federal defence expenditures.

One can also estimate the additional increase in requirements due to the fact that part of the incomes earned by households (in the production of the direct and indirect requirements of one unit of final demand) are respent locally on consumer goods and services.

Finally, it is possible to add to this consumption multiplier yet another multiplier, arising from the fact that provincial and municipal revenues generated may be presumed to feed back to the local economy as expenditure on education, hospitalization, personal transfers, etc. The exact nature of these calculations is described below in Models I, II, and III.

4. Commodity-by-industry Inputs; Commodity-by-industry Outputs

The balancing of the supply of commodities—whether produced by domestic industries or imported—with the demands of intermediate and final users implies a set of commodity flow balances. Convenience in data compilation as well as analytical requirements in use of the models dictate the commodity dimension. The system therefore records the supply and uses of commodities.

The intermediate users of commodities are establishment-based industries, that is, industries defined as sets of establishments. The system therefore records commodity inputs into industries as well as the commodity outputs of industries.

An industry may produce several commodities and a commodity may be produced by several industries. The system is therefore set up in "rectangular" form, i.e., the input-output flow accounts consist of two rectangular matrices — one shows the production by industries of commodities and the other the inputs of commodities into industries. In this respect our system is similar to the 1961 Canadian input-output table and models.

5. Competitive and Non-competitive Imports Distinguished

Where there is no provincial output, the imports are classed as non-competitive. Where there is provincial output, the imports of commodities of a type and kind similar to locally produced commodities are classed as competitive. It can clearly be seen that the distinction between competitive and non-competitive imports is a discretionary one and that it is a function of the level of aggregation at which a commodity is defined. One may choose to classify all clothing as competitive imports on the grounds that certain specific items of clothing are locally produced. Alternatively, one may define commodities at a finer level of detail whereby all imported product lines which have no exact locally produced counterpart are treated as noncompetitive imports. The more narrowly commodities are defined, the fewer imports appear as competitive and the more appear as non-competitive.

In addition to the familiar problem of deciding whether any particular imported commodity should be treated as a competing or a non-competing import, we wished to maintain uniformity of definition with respect to the Atlantic Region as a whole. Consequently a commodity produced in at least one Atlantic Province

was considered as "local" in the sense that imports of that commodity into any of the four Atlantic Provinces were considered as competitive imports. This enabled us, at a later stage to build an inter-regional input-output model embodying inter-provincial trade with the Atlantic Provinces, commodities which were produced in the Atlantic Region, but not within the province were transferred from their original status as competitive (in regional terms) to the amended status as non-competitive (in provincial terms).

6. Integration of Input-output Accounts into a Social Accounting Framework for a Provincial Economy

Input-output accounts which cannot be related to the "national" accounting categories of an economy are useful with respect to the detail of "impacts" and "multipliers" relating to specific activities. The system becomes significantly more useful, however, when primary inputs of industries and governments are treated as receipts of households, government and the rest of the world. Transactions deriving from production within the provincial economy together with transfers between the major economic sectors of the system enable us to develop estimates of residual flows - such as the provincial balance of payments with the rest of the world - which cannot be obtained by any other technique of estimation. The integration of input-output accounts into the wider social accounting framework for the provincial economy enables us to close the model with respect to expenditures of households and local government sectors. It is an essential step towards the construction of quantitative planning models.

Uses of the Accounting System

The accounting system serves five distinct but inter-related purposes:

(a) To serve as a convenient device for collation of data in sufficient detail (disaggregation) to permit the user

to sum (aggregate) information according to his particular need.

- (b) To reconcile independent estimates and point up gaps in statistical information. It can intuitively be appreciated that the accuracy of the estimates of macro-economic flows for a provincial economy is increased by the numerous internal accounting balances required by the framework.
- (c) To obtain at the macro-economic level a profile of the structure of the economy not directly available from existing macro-economic data. It is possible, for instance, to draw up a "balance of payments" account which indicates the importance of federal government operations in financing the large excess of imports over exports in each of the Atlantic Provinces. It is also possible to obtain estimates of key sub-macro-economic parameters such as the import, income or employment content of consumption expenditure, of construction activity, or of federal expenditure.
- (d) To obtain estimates of parameters required for analytical input-output models such as: the "technical coefficients" yielded by the input-output flow accounts; the "import coefficients" derived from the relationship between estimated competitive imports and local production; the distribution parameters which transpose factor incomes generated within the provincial economy into expenditures of households and provincial governments.
- (e) To provide a planning framework within which alternate sets of expenditure projections may be examined and compared. With the aid of such a model, one can evaluate the feasibility of alternate federal policies in terms of implied tax yields, subsidies, private capital inflows, incomes, employment, etc.

II. AN OVERVIEW OF THE SYSTEM OF ACCOUNTS

The accounting framework developed in this chapter consists of input-output flow tables, extended to show income distribution, tax transfers and other transfers among all sectors relating to the provincial economy, including the federal government and the "rest of the world". The latter, in the context of this accounting framework, refers to all economic agents

located outside the provincial boundary, except the federal government.

In the sectoring of the economy, a basic distinction is made between "industries", that is, sectors whose activity consists exclusively in the production of goods and services for sale, and other sectors. These other sectors may engage exclusively in the purchase of final

Schematic Representation of Transactions For Analysis of a Provincial Economy CHART 2.1 money (B) commodities commodities money Rest of the World Final Gross Expenditures commodities _ -commodities -Competitive Production bу A Formation (A) Account Exports Households Imports for money and money. (Industries) Industries Governments primary inputs uses of capital Primary Inputs Transformation Matrix 1. Factor services 2. Indirect taxes less subsidies 3. Capital consumption allowances 4. Non-competitive imports C3) capital consumption allowances (D) Income and Outlay Accounts of: - Households - Governments - Rest of the World balances of income and outlay accounts Consolidated Capital Finance Account

goods and services (Households), or they may engage both in production and consumption (e.g. Governments). The system includes a complete set of input-output flows² of goods and services. These input-output relations are fully integrated with the transactions between "industries" and standard macro-economic sectors such as Households, Provincial governments, Federal government, Rest of the world, etc.

The accounting system was designed by constructing a full set of input-output transactions, with commodity and industry dimension. The accounts were subsequently extended to embrace other economic transactions relating to the provincial economy. In the presentation which follows we first show the system in terms of the major transactions of the macro-economic "national accounting" sectors appropriate to a provincial economy. We then proceed to explain the manner in which these macro-economic flows are derived from and relate to the detailed input-output relations. The method of presentation follows, in a general way, that of the new System of National Accounts of the United Nations (51).

We begin the presentation of the system by defining six categories of transactions. These are indicated by the letters A to F in the Schematic Representation of Transactions depicted in Chart 2.1.

A. Purchase of final goods and services — Both those produced by industries and those imported to supplement local production. The latter are competitive imports of final goods. These final goods and services are sold to households, to governments, to the rest of the world and to industries on capital account. They equal the sum of final output of industries and competitive imports of final goods.

B. Purchase of competitive imports — In conformity with standard national accounting practice, all competitive imports, whether destined for intermediate or final use are routed through the production account for industries.

C. Outlay on primary inputs by industries, house-holds and governments — Primary inputs comprise all "costs" (inclusive of profit) except those incurred in

purchasing goods and services (net of indirect taxes) from industries or as competitive imports.³

There are four distinct categories of primary inputs:

- C1. Payment for the use of factor services made in the form of wages and salaries and supplementary labour income, net income of unincorporated business, interest, and corporate profit. All C1 estimates are before taxes.
- C2. Indirect taxes less subsidies paid to governments (subsidies are treated as negative indirect taxes and represent payments to industries for reasons of general social welfare).
- C3. Capital Consumption Allowances. The estimated (input) cost of current use of the stock of reproducible fixed capital assets of industries is offset by a (credit) entry to the consolidated capital finance account. Capital consumption allowances represent a part of gross savings available for financing gross capital formation. (Unlike primary inputs of types C1, C2 and C4, capital consumption allowances are book entries, there being no transactions involved.)
- C4. Non-competitive imports supplied by the rest of the world to using industries, households and governments. These inputs are valued net of duties and other commodity taxes such as taxes included in C2.

The income flows to the various sectors deriving from primary inputs of factor services (C1), indirect taxes less subsidies (C2), and non-competitive imports (C4) are represented by the flow C* in Chart 2.1. In C*, wages and salaries and net income of unincorporated business before tax are allocated to households; interest payments by industries and governments are split, at this stage, between amounts going to resident households and amounts due to the rest of the world. Corporate profits are split, at this state, into four components: taxes paid to the federal governments, taxes paid to the provincial government; after tax profit assumed to be paid to the rest of the world and after tax profit assumed to be paid to resident households. Undistributed or retained profits are assumed payable to the rest of the world or to resident households, according to the estimated locus of ownership and control of the establishments comprising each industry.

D. Direct tax and other transfers among households, governments and the rest of the world. These are entered in the income-outlay accounts of the appropriate sectors.

² In our accounts the input-output relations are described in terms of outputs of commodities by industries and inputs of commodities into industries. This system of input-output accounting is an improvement on conventional inter-industry accounting.

³ It should be noted that all commodity taxes associated with intermediate purchases are treated as primary inputs of type C2.

- E. The balance of the income-outlay accounts are carried forward to the consolidated Capital Finance Account. (The interpretation of these entries in terms of net lending or borrowing by the various sectors is outlined in the subsequent description of the detailed accounts.)
- F. Input-output transactions among industries These are transactions in intermediate goods and services among industries. Together with transactions A, B and C they constitute the complete set of input-output accounts.

The system of accounts is here presented at three levels of aggregation:

1. A System of Six Accounts (5 sectors)

- (i) Production Account for Industries (with implicit income-outlay account)
- (ii) Households (income-outlay account only)
- (iii) Provincial Public Sectors (income-outlay with implicit production account)
- (iv) Federal Government (income-outlay with implicit production account)
- (v) Rest of the World (income-outlay only)
- (vi) Consolidated Capital Finance Account
- 2. Summary Tables of Consolidated National Accounts
 - (i) Gross Domestic Product and Expenditure
 - (ii) Provincial Disposable Income

- (iii) Balance of Payments (in which transactions with the federal government are shown separately)
- (iv) Consolidated Capital Finance Account

3. A System of Nine Accounts (8 sectors)

- (i) Production Account for Industries (with implicit income-outlay account)
- (ii) Households (income-outlay only)
- (iii) Education (income-outlay with implicit production account)
- (iv) Hospitalization (income-outlay with implicit production account)
- (v) Municipal governments (income-outlay with implicit production account)
- (vi) Provincial governments (income-outlay with implicit production account)
- (vii) Federal government (income-outlay with implicit production account)
- (viii) Rest of the world (income-outlay only)
- (ix) Consolidated Capital Finance Account

Our exposition begins with the system of six accounts for five sectors. From this system we can derive Provincial Disposable Income and the Provincial Balance of Payments. In order to obtain the Gross Domestic Product and Expenditure Account, the system of six accounts must be disaggregated in order to separate transactions relating to domestic production from transfers between sectors. This yields the consolidated "national" accounts for a provincial economy.

Finally, the system is expanded to nine accounts for eight sectors. In this fuller system of nine accounts, provincial public sectors are disaggregated into four sub-sectors representing education, hospitalization, municipal government services, and provincial government services.

III. THE SYSTEM OF SIX ACCOUNTS

The system of six accounts of the consolidated national accounts is composed of five sectors and three types of accounts. The five sectors are (i) Industries, (ii) Households, (iii) Provincial public sectors, (iv) Federal government and (v) Rest of the world. The three types of accounts refer to (i) Production, (ii) Income and Outlay and (iii) Capital Finance. The system implicitly has separate production and income-outlay accounts for industries and government sectors. The income-outlay account of industries is included with the production accounts. The production accounts of government are included in their income-outlay accounts. Households are not producers and therefore have no production account. They do of course have an income-outlay account. The rest of the world has an income-outlay account only. The capital finance account is consolidated: it shows gross domestic capital formation and the net sources, from the various sectors, for finance of this capital expenditure.

Schematically, we may represent the system of accounts as follows:

The fundamental difference between a national and a provincial economy derives from the fact that the latter involves two levels of government - one internal to the province and the other external. Both levels of government represent the interests of provincial residents, albeit in different ways. Residents of a province contribute fiscally to the federal government and receive monetary transfers from the federal government, either directly or through the revenue account of the provincial government. Fiscal flows within a federal state have no meaningful counterpart in the international economy. The conventions of national accounting and balance of payments accounting were not really designed to cover the case of an economy whose "external" economic relations include the payment of direct and indirect taxes to a higher level of government and the receipts of statutory grants and other transfers from that government.

In the case of the Atlantic Provinces, funds transferred by Ottawa to the provincial economies far exceed fiscal payments made by provincial residents to Ottawa. The net transfer of funds into each of the Atlantic Provinces resulting from federal-provincial fiscal relations is very large: it greatly exceeds net capital inflows arising from provincial governmental borrowing and from external sources of private capital financing.

From the viewpoint of a provincial economic accounting system, transactions with the federal govern-

ment have a dual character. On the one hand, the domestic (provincial) operations of the federal government are a domestic production sector which purchases commodities and factor services in the domestic market; on the other hand, the federal government is an external transactor which spends funds in the province and receives funds from the province. Consequently, even the simplest set of provincial accounts must include two sets of external transactions - those with the federal government, and those with all other transactors located outside provincial borders. While expenditure on goods and services relating to the provincial operations of the federal government is domestic production activity, the "output" of this activity is "exported" in the sense that federal outlays and federal government production in a province are treated as being financed from sources external to the province. Federal expenditures on goods and services in a province, are in this regard, similar to export earnings of a province.

Clearly, the treatment of the federal government as an "external transactor" represents a distortion of the true relationship between the residents of a province and Ottawa. It does not include the full benefit dimensions of federal spending. It emphasizes the regional impact of federal expenditure rather than the value of federal services provided to provincial residents by virtue of their participation in a federal system.

The balance of net gain (or loss) accruing to the residents of any particular province in their fiscal relations with Ottawa can be drawn up on the basis of two distinct definitional concepts. One of these measures the relationship between the value of the services provided by the federal government to provincial residents and the fiscal contribution which these residents make to the federal government. This might be called the service benefit measure. It would have to take into account the value of the services which the federal government provides to each provincial resident by virtue of general administrative activities in Ottawa or elsewhere, regardless of the region or province in which these federal services are produced.

The alternate measure of the benefits and costs of the federal-provincial relationship pertains to the provincial impact of federal expenditures. In this study all references to federal-provincial balances relate to this economic, or impact definition of the benefits of federal spending to the provincial economy. Thus in our accounts the "benefit" to the provincial economy of federal expenditure on defence appears in the form of

CHART 2.2

Accounts for Five Sectors

Tuna of account

		Type of account	
	Production	Income-outlay	Capital finance
Sectors			
1. Industries			
0 ** 1 11			
2. Households			
3. Provincial public sectors			
4 77 1 1 1			
4. Federal government			
	L		
5. Rest of the world			

wages, salaries, military pay and local disbursements related to federal installations such as Camp Gagetown in New Brunswick, or the naval establishments in Dartmouth-Halifax. This is to be distinguished from the alternative "service benefit" measure according to which the benefit of federal defence expenditure to the residents of a province would have to be calculated by obtaining a per capita figure for each Canadian and multiplying this by the provincial population.

To give another example, the "service benefit" measure would allocate the wages and salaries of the federal government in the Ottawa-Hull area as well to the provinces on a per capita basis. The assumption here is that the general administrative services produced by the federal government provide every Canadian with the benefit of such services. The impact benefit approach would treat these expenditures as incomes generated in Ontario and Quebec, in accordance with the province of residence of the persons engaged in producing these administrative services. National income accounting on a provincial level can deal only with the impact (or expenditure) aspect of federal spending, and it is with this impact aspect only that this study is concerned.

In summary, external transactions of a provincial economy consist of two separate and distinct sets of relationships — those with the federal government and those with all other transactors located outside provincial boundaries. Economic accounts for a provincial economy yield estimates of "Gross Domestic Product and Expenditure" and "Provincial Disposable Income", but there does not exist any unambiguous provincial counterpart to the concept of "Gross National Product and Expenditure". The accounting concepts of GNP and GNE are not applicable to provincial economies within a federal state which transmit and receive large unilateral transfers in the form of taxes and grants.

In any social accounting system there are good reasons for separating the private transactions of households from those of the government even at the crudest, most aggregated level. In a provincial economy these reasons are reinforced by the institutional fact that federal payments to residents are made in two distinct ways: (1) by direct payments to households or businesses, such as unemployment insurance, family allowances, pensions, payments of wages and salaries for labour services rendered, purchases of goods and services

from business, and subsidies paid to business; (2) by payments made indirectly via provincial governments. These latter may be contributions to general revenue (e.g., equalization payments, statutory grants), or transfers earmarked for specific purposes (e.g., shared-cost programs).

In our presentation of the social accounting framework we will use the accounts for Nova Scotia 1965 as an illustrative example. (The full set of accounts for all four provinces for 1965 and 1960 are cast in the same format and are found at the end of this chapter.) In Table 2.1 the System of Six Accounts for Nova Scotia for 1965 is presented in matrix form. Each entry is a credit to the row and a debit to the column. At the level of aggregation of Table 2.1 it is not possible to distinguish transactions arising from production from those which are transfers. Table 2.1 is a consolidation of the set of six accounts of Table 2.2. Each of the six sub-tabulations of Table 2.2 represents one of the six accounts of the Schema of Accounts of Chart 2.2

1. The Production Account of Industries (with implicit income-outlay accounts)

Industries are defined as: (i) all businesses producing commodities (goods and services) for commercial sale, whether incorporated or unincorporated, privately-owned or publically-owned; (ii) the activity of non-profit making enterprises (such as religious organizations and charities) providing community services — with the important exception of educational institutions and hospitals which are treated as provincial public sectors; and (iii) commodities produced by individuals for their own use, such as the services of owner-occupied dwellings, or produce produced and consumed on farms. The output of industries is approximately equal to the output of private goods and services, sold at the cost of production, inclusive of profit.

When the production activities of all the industries in the system are summed to arrive at a consolidated production account for all industries, intermediate purchases and sales cancel out. In aggregate, receipts from the sales of industrial output derive exclusively from final sales of consumer goods and services to households⁴ (\$820.7 million), sales of fixed capital goods and inventory accumulation (or liquidation) to industries (\$212.4 million); sales of goods and services to pro-

vincial public sectors — educational institutions; hospitals, municipal and provincial governments (\$124.3 million); sales of goods and services to the federal government (\$82.4 million); and exports to the rest of the world (\$392.6 million). These latter may be destined to foreign markets, to other Atlantic Provinces or to the rest of Canada. A relatively unimportant source of revenue for industries is provided by industrial subsidies received from the federal government (\$14.2 million) and from the provincial government (\$0.4 million). In our accounts these are entered as negative outlays.

In Table 2.2A, the production costs of industries consist of payments for all competitive imports which enter the provincial economy, regardless of whether they are used as intermediate inputs to industries or as final goods, (\$435.9 million), and the following "primary inputs": (i) income payments (before tax) to households in the form of wages and salaries; employees' contributions to pension and insurance plans and other supplementary labour income; unincorporated business income; and that portion of profit, rent and interest which was estimated to have been paid out to provincial residents or retained in businesses wholly owned or controlled by provincial residents (\$766.7 million); (ii) taxes paid to provincial public sectors, whether paid in the form of corporate income tax or in the form of indirect taxes, i.e., licenses, fees, excise and sales taxes, (\$85.0 million); (iii) taxes paid to the federal government in the form of corporate income tax or as indirect taxes⁵ levied on the intermediate purchase of goods and services by the producing sectors (\$36.2); (iv) profit, rent and interest estimated to have been remitted or retained in businesses not controlled by residents of the province (\$58.8 million). In the case of companies with non-resident⁶ head offices all profits are assumed to have been transferred out of the province. Interest payments are similarly allocated either to households or to the rest of the world; (v) capital consumption allowances, representing the depreciation of reproductible fixed capital assets of industries (\$117.6 million); and (vi) non-competitive imports used as intermediate inputs by industries (\$146.8 million).7

6 Non-resident in this context means non-resident to the

⁴ Inclusive of sales to non-resident tourists in the province.

⁵ Note that these do not include indirect taxes imposed after the final stage of processing on goods flowing to final consumers, or indirect taxes on services used by final consumers. In the accounting system, such taxes are charged to the final consumer, rather than the supplier. (The principal taxes involved are federal customs, sales and excise taxes, and provincial sales and amusement taxes.)

province.

7 Purchases of non-competitive imports by households or other final using sectors are treated as the expenditure of the buying sector, i.e., they are not routed through the production account of industries.

TABLE 2.1. System of Six Accounts, Nova Scotia, 1965 Summary of Transactions in Matrix Form

		Production:		Outlay	(rows 1 to 5)		Capital	
	Rows: Credit Columns: Debits	Industries – Cost of final sales	House- holds	Provincial public sectors	Federal government	Rest of the world	finance: Debits	Total
Item No.		1	2	3	4	5	6	7
					millions	of dollars		
1	Production: Industries - Receipts from final sales	_	820.7	124.3	82.4	392.6	212.4	1,632.4
2	Income (cols, 1-5): Households	766.7		126.5 18.1	156.0 93.1	22.3	_	1,182.7
3	Provincial public sectors	85.0 - 0.4	76.2	-	101.3	_	36.5	298.6
4	Federal government	36.2 - 14.2	124.4	1.0		- 14.0	301.5	434.9
5	Rest of the world	435.9 58.8 146.8		28.7	2.1	_	_	756.0
6	Capital finance: Credits	117.6	77.7	_	_	355.1	_	550.4
7	Total	1,632.4	1,182.7	298.6	434.9	756.0	550.4	

Note: The information contained here represents a summary consolidation of Table 2.7C.

TABLE 2.2A. System of Six Accounts, Nova Scotia, 1965 **Production Account — Industries**

Item No.	Primary inputs and competitive imports	Millions of dollars	Item No.	Receipts from final sales	Millions of dollars
1 2 3 4 5	Income payments to households (21). Taxes paid to provincial public sectors (33) Less: Subsidies received from provincial public sectors (34) Taxes paid to federal government (43) Less: Subsidies received from federal government (44)	766.7 85.0 - 0.4 36.2	10 11 12 13	Sales of consumer goods and services to households¹ (14) Sales of goods and services to provincial public sectors (27) Sales of goods and services to federal government (38)	820.7 124.3 82.4
6	Profits and interest remitted or remittable out of province (59)	58.8		Sales of capital goods to industries (including inventory change) (61)	212.4
7	Non-competitive imports (53)	146.8	1 5 2	Exports to "rest of the world" (49)	392.6
8	Competitive imports (53)	435.9			
9	Capital consumption allowances (63)	117.6			
	Total	1,632.4		Total	1,632.4

Note: Reference numbers in brackets denote cross references to other entries in the System of Six Accounts.

¹ Includes sales to tourists in the province.2 Excludes sales to tourists in the province.

TABLE 2.2B. System of Six Accounts, Nova Scotia, 1965 Income and Outlay of Households

Item No.	Outlay	Millions of dollars	Item No.	Income	Millions of dollars
14	Purchases of consumer goods and services from industries 1 (10)	820.7	21	Factor services rendered to industries (1)	766.7
15	Less purchases by non-resident tourists (54)	- 21.3	22	Factor services rendered to provincial public sectors (28)	126.5
16	Resident tourist expenditures out of province (55)	15.0	23	Transfers received from provincial public sectors (29)	18.1
17 18	Non-competitive imports (56) Taxes paid to provincial public sectors	90.0	24	Factor services rendered to federal government (39)	156.0
19	(35)	76.2 124.4	25	Transfers received from federal government (40)	93.1
20	Personal saving (62)	77.7	26	Miscellaneous earnings and transfers from "rest of the world" (50)	22.3
	Total outlay and saving	1,182.7		Total income	1,182.7

¹ Includes sales to tourists.

TABLE 2.2C. System of Six Accounts, Nova Scotia, 1965 Income and Outlay of Provincial Public Sectors

Item No.	Outlay	Millions of dollars	Item No.	Income	Millions of dollars
27 28 29 30 31	Purchases of goods and services from industries (11)	124.3 126.5 18.1 1.0	34 35 36	Tax receipts from industries (2) Less: Subsidies to industries (3) Tax receipts from households (18) Transfers from federal government (41) Deficit (64)	85.0 - 0.4 76.2 101.3 36.5
32	Non-competitive imports (57) Total outlay ¹	11.0 298.6		Total income ² plus deficit	298.6

¹ Excluding subsidies paid.2 Net of subsidies paid.

TABLE 2.2D. System of Six Accounts, Nova Scotia, 1965

d Outloy of Federal Covernment (on transactions relating to Nova Scotia)

Item No.	Outlay	Millions of dollars	Item No.	Income	Millions of dollars
38	Purchases of goods and services from industries (12)	82.4	43	Tax receipts from industries (4) Less: Subsidies to industries (5)	36.2 - 14.2
39	Income payments to households for services rendered (24)	156.0 93.1	45	Tax receipts from households (19) Transfers from provincial public sec-	124.4
40	Transfer payments to households (25) Transfers to provincial public sectors (36)	101.3	47	tors (30)	1.0 - 14.0
42	Non-competitive imports (58)	2.1	48	Excess of federal spending over federal receipts (66)	301.5
	Total outlay 1	434.9		Total income ² plus excess of spending over receipts	434.9

¹ Excluding subsidies paid.2 Net of subsidies paid.

TABLE 2.2E. System of Six Accounts, Nova Scotia, 1965
Income and Outlay of "Rest of the World" (transactions with non-residents except for the federal government)

Item No.	Payments of "rest of the world" (receipts of Nova Scotia)	Millions of dollars	Item No.	Receipts of "rest of the world" (payments by Nova Scotia)	Millions of dollars
49	Purchases of goods and services from industries 1 (13a)	392.6	53	Competitive and non-competitive imports of industries (7, 8)	582.7
			54	Tourist purchases in Nova Scotia (15)	- 21.3
50	Miscellaneous income and transfer payments to households (26)	22.3	55	Households' tourist expenditures out of province (16)	15.0
51	Subsidy from federal government on coal exports to Central Canada (47)	- 14.0		Non-competitive imports of:	
	coar exports to contrar canada (17)		56	Households (17)	90.0
52	Deficit of the province on current		57	Provincial public sectors (18)	11.0
	transactions with the "rest of the world" (65)	355.1	58	Federal government (42)	2.1
			:	Profits and interest remitted or remittable out of province:	
			59	By industries (6)	58.8
			60	Provincial public sectors (31)	17.7
	Total	756.0		Total	756.0

¹ Excludes purchases in the province by tourists.

TABLE 2.2F. System of Six Accounts, Nova Scotia, 1965 Consolidated Capital Finance Account

Item No.	Disposition	Millions of dollars	Item No.	Source	Millions of dollars
61	Purchases of capital goods by industries, including inventory changes (13)	212.4	62	Personal saving (20)	77.7
			64	industries (9) Deficit (-) or surplus (+) of provincial public sectors (37)	117.6 - 36.5
			65	Deficit of the province on current transactions with "rest of the world" (52)	355.1
			66	Deduct: Excess of federal spending over federal receipts (48)	- 301.5
			67	Net capital inflow from "rest of the world" not covered by net federal government transfers (65, 66)	(53.6)
	Gross Domestic Capital formation	212.4		Finance of Gross Domestic Capital formation	212.4

2. Income-outlay Accounts of Households

The household account shows all income (before deduction of personal income tax) received by residents as remuneration earned from participation in industrial production, inclusive of social security contributions payable by employers, and of the retained profits of locally-controlled enterprises (\$766.7 million). Households also receive incomes earned from services rendered to the federal (\$156.0 million) and local governments (\$126.5 million) as well as personal transfer payments

made by local governments (\$18.1 million) and by the federal government (\$93.1 million). Household income deriving from government transfers is limited to cash payments such as pensions, unemployment insurance, family allowances, etc. (Federal contributions to hospitalization schemes, for example, are treated as revenues of the hospital sector, which is here shown as part of the consolidated provincial public sector.) Finally, households receive remittances, gifts and miscellaneous property income deriving from sources external to the province (\$22.3 million).

Household outlays consist of expenditure on consumer goods and services (\$820.7 million);8 purchase of non-competitive imports, inclusive of tourist expenditures made by provincial residents out of the province (\$105.0 million); payments of direct and indirect taxes to provincial public sectors (\$76.2 million) and to the federal government (\$124.4 million). The indirect taxes are sales, customs and excise taxes charged on consumer goods and services purchased by households.9 Personal savings (\$77.7 million) are the residual of the account.10 They include the undistributed portion of corporate profits of locally-controlled business.

3. Income-outlay Account of Provincial Public Sectors (with implicit production account)

The income and outlay account of provincial public sectors aggregates the revenues and expenditures of educational institutions, hospitals, all other municipal government functions and all other provincial government functions. It excludes provincially- or municipally-owned enterprises of a type and kind classified as industries.

The rationale for placing educational institutions and hospitals together with services provided by municipal and provincial governments is to be found in the fact that their financing is predominantly governmental and their output is a "social good" similar to the provision of sewerage, roads, police and fire services which constitute the older functions of local government. It should be noted that, as in the case of the aggregation of industries, transactions between these four sectors net out. In the consolidation the total outlay of the sector (\$298.6 million) thus represents payments to industries, households, the federal government and the rest of the world. Transactions such as provincial grants to educational institutions, disappear from view in the consolidation.¹¹

While a fuller description of the composition of the provincial public sectors can be found in Chapter 5, we may note two characteristics of their treatment in the system:

Firstly, the education and hospital sectors are formed on the basis of functional expenditures. Thus, the hospital sector includes the expenditures of all

8 Includes sales to non-resident tourists in the province (\$21.3 million). These are debited to the rest of the world in row

10 Our estimates were, however, cross checked with

independent data.

hospitals, whether privately, publically, federally, provincially, or municipally-owned and operated. The education sector similarly includes all schools, colleges, vocational training institutes and universities. Provincially-operated schools and hospitals have thus been transferred to the appropriate functional sector and a matching "monetary" transfer entry has been made.

The second characteristic of the provincial public sector in these accounts is that capital-type expenditures are treated as current.¹² The "deficit" of provincial public sectors (\$36.5 million) thus refers to the combined overall deficit, i.e., the difference between total outlay, including expenditures on capital-type goods (\$298.6 million) and total income from all sources, including federal grants (\$101.3 million), taxes or levies paid by households, including private payments for education or hospitalization (\$62.4 million), and taxes net of subsidies received from industries (\$84.6 million).

The detailed outlays of the consolidated provincial public sectors consist of: purchases of goods and services from industries (\$124.3 million); purchases of noncompetitive imports (\$11.0 million); payment of wages, salaries and interest to resident households (\$126.5 million); transfer payments to persons (\$18.1 million); an adjustment concerning transactions with the federal government (\$1.0 million); and that portion of local government interest charges estimated to have been paid to persons or institutions non-resident to Nova Scotia (\$17.7 million).

4. Income and Outlay of Federal Government (on transactions relating to Nova Scotia) (with implicit production account)

The disbursements of the federal government in the province fall into the following categories: (i) purchase of goods and services from industries (\$82.4 million); (ii) payment of subsidies to industries (\$14.2 million); (iii) payment of wages, salaries and military pay to persons employed by the federal government within the province (\$156.0 million); (iv) remittances of transfer payments directly to households (\$93.1 million); 13 (v) remittances of transfers to provincial public sectors (\$101.3 million). In addition the federal government is shown as paying an export subsidy to the rest of the world (\$14.0 million).

13 Our figures of federal transfer payments remitted to households exclude estimates of federal interest payments received by provincial residents. Such an estimate should have been made.

⁹ As noted above sales taxes are charged to the sector which purchases the goods on which they are levied, not the sector which produces them. The outlay by households on a particular consumer good represents the cost of producing this good, including its onward distribution and transportation margins, but excludes taxes levied on it.

¹¹ Transactions between provincial public sectors are recorded in the System of Nine Accounts (see page 41).

¹² Data on aggregate capital expenditures and its commodity composition is readily available and was in fact used to construct the four sub-components of the provincial public sectors. We decided, however, to treat the expenditures of public sectors on capital-type goods as current expenditures in order to simplify the system.

In effect, this is a subsidy in aid of the Nova Scotia coal mining industry, paid to the Central Canadian purchasers of Nova Scotia coal to assist them in covering the cost of hauling this coal from Nova Scotia.

Federal revenues deriving from direct and indirect taxes raised in the Atlantic Provinces are much smaller than federal disbursements in the region. Tax receipts from industries (\$36.2 million) plus tax receipts from persons (\$124.4 million) together with an adjustment item relating to federal-provincial transactions (\$1.0 million) constitute federal revenues from Nova Scotia.

The balancing entry in the account is the "excess of federal spending over federal receipts" (\$301.5 million); this is a measure of the degree to which the rest of Canada subsidizes the economy of Nova Scotia through the federal fiscal system, it "finances" the larger part of Nova Scotia's deficit with the "rest of the world" (\$355.1 million), most of which derives from a deficit on trade in goods and services (see below).

5. Income-outlay Account of the Rest of the World

Unfortunately, it is impossible to separate the transactions of an Atlantic Province with foreign countries from its transactions with other Canadian provinces. Even the effort to construct an account between a province and the rest of the world stretches the data somewhat.

The only part of the account with the rest of the world which can be disaggregated with respect to geographic location is that pertaining to provincial commodity exports (see Tables 2.7 and 2.8H). Here we are able to distinguish exports to foreign countries (\$137.6 million), exports to other Atlantic Provinces (\$65.0 million) and exports to Central and Western Canada (\$190.0 million). We have no means of determining the geographic origin of commodity imports other than those which originate in Atlantic Provinces, i.e. we cannot distinguish between foreign imports and those of Canadian non-Atlantic origin. 14 Short of a comprehensive survey of geographic origins of intermediate and final imports, it is impossible to arrive at estimates which meet the standard of statistical accuracy of the rest of this study. The estimated deficit on Nova Scotia's transactions with the rest of the world is \$355.1 million.

It is obvious that this estimate is subject to an unknown and possibly wide margin of error, because it is

14 Others have attempted to "split" the residual of our account on the basis of data for Canada as a whole. While the exercise may be useful in yielding a rough indication of the feedback of federal expenditures to Central Canada, the reliability of such estimates is questionable without a comprehensive survey of the actual geographic origin of intermediate and final imports. See J.M. Hartwick, An interregional Input-Output Analysis of the Eastern Canadian Economics (20).

a residual. Nevertheless, it is our contention that a total accounting framework such as the one outlined in this study provides the only basis for systematic and progressive improvements in statistical estimation of such troublesome but significant items.

6. Consolidated Capital Finance Account

The consolidated capital finance account is set out so as to show the expenditure on gross domestic capital formation on the debit (disposition) side, and the (net) sources of funds for its financing on the credit side. Since expenditures in the province on capital-type goods made by provincial public sectors and the federal government are treated as current expenditures, they are excluded from gross domestic capital formation, which is therefore limited to the purchases of capital goods by industries (\$212.4 million); this relates to new residential housing, to industrial and commercial gross fixed capital formation and inventory change. Included, of course, are the investment expenditures of publicly-owned industrial enterprises, such as provincially-owned electric utilities.

The sources of finance for the purchase of capital goods by industries are: household saving (\$77.7 million); capital consumption allowances of industries (\$117.6 million); less the overall net deficit of provincial public sectors (\$36.5 million); plus the balancing entry "net capital inflow from the rest of the world not covered by net federal government transfers" (\$53.6 million), which represents a residual estimate of net private capital inflows to Nova Scotia.

Obviously, treatment of reinvested profits of "non-resident" companies as income remitted out of the provincial economy raises the entry "net capital inflow" by showing these profits as flowing out on current account and re-entering on capital account. It raises, at the same time, the total deficit on transactions with the rest of the world (\$355.1 million). The alternate treatment – i.e., treating the reinvested profits of non-resident companies as provincially disposable income — would diminish this deficit and raise the proportion of it covered by the excess of federal disbursements over federal receipts in the province.

In the system of accounts the item "net capital inflow" is the ultimate residual balancing entry. For this reason it is the least reliable single estimate. Unfortunately there are virtually no data which permit even the roughest direct estimate of net capital flows. Data on gross transactions in financial investments on a regional (provincial) basis are even more difficult to obtain than data on interprovincial transactions in goods and services.

¹⁵ Non-resident to the province, i.e. companies with head offices elsewhere in Canada or abroad.

IV. SEPARATION OF TRANSFER INCOMES FROM INCOMES ORIGINATING IN DOMESTIC PRODUCTION

In Table 2.3 we have separated incomes and taxes deriving from the production of goods and services within the domestic economy from incomes received in the form of transfers. Table 2.3 thus constitutes and expansion of the system of six accounts of Table 2.2.

The first five rows represent the five sectors of the accounting system of Tables 2.1 and 2.2. The first seven rows and eight columns record transactions of Type A, B, C3 and C* of Chart 2.1, i.e., transactions arising from the production of goods and services in the domestic economy.

The intersection of the first row with the first seven columns represent transactions of Type A and B, i.e., sale of final outputs (A) and the purchase of competitive imports (B). The intersection of rows 2 and 5 and columns 1 to 7 represent transactions of Type C*, i.e., primary inputs C1, C2, and C4 arranged by sector of payment and receipt. In row 6 is found the category C3, which represents capital consumption allowances of the industries. Column 8 provides total receipts of each of the five sectors deriving from domestic production. Entries in rows 2 to 5 and columns 9 to 12 represent transactions of Type D, i.e., income transfers between households, provincial public sectors, federal government and the rest of the world. Balances of the income-outlay accounts of households, provincial public sectors, federal government and the rest of the world are found in row 6 (columns 9 to 12) and column 14 (rows 2 to 5). These balances are the transactions of Type E. Row 8 and columns 13 and 15 contain totals. In rows 10 to 20, primary inputs are reclassified by type C1, C2, C3 and C4.

Description of Table 2.3

Transactions of Category A — These transactions are entered in row 1 and repeated in row 9. Industries sell output to households (\$820.7 million), to provincial public sectors (\$124.3 million), to the federal government (\$82.4 million), to the rest of the world (\$392.6 million) and to industries on capital account (\$212.4 million).

Transactions of Category B – Industries purchase competitive imports from the rest of the world (\$435.9 million).

Transactions of Category C – We remind the reader that there are four types of primary inputs. These are factor services (C1), indirect taxes less subsidies (C2), capital consumption allowances (C3) and noncompetitive imports (C4). In the C* form, primary inputs are shown as the income of the various receiving sectors (rows 2 to 5) and outlays of the paying sectors (columns 1 to 5).

Households, for example, receive \$766.7 million from providing factor services to industries, \$126.5 million from production of provincial public sectors and \$156.0 million from domestic production of the federal government. Household incomes earned by providing factor services to industries (\$766.7 million) are composed of wages and salaries and supplementary labour income (\$539.5 million); unincorporated income (\$122.3 million); profits remitted or remittable to households (\$60.3 million); interest remitted (\$44.6 million).

Corporate profits before taxes (\$143.2 million) are shown to have been distributed as follows:

	Millions of dollars
Tax on profits (to federal government)	. 33.2
Tax on profits (to provincial government)	. 7.8
Profits remitted or remittable to rest of the world	. 41.9
Profits retained in the provinces and included in	1
household income	. 60.3
Total	. 143.2

Rent and interest originating in industries has been distributed as follows:

																					Millions of dollars
To rest of the world																					
To households	٠	۰	٠	٠	۰	٠	۰	۰	٠	٠	٠	۰	٠	٠	۰	۰	٠	۰	۰	٠	44.6
Total													٠								61.5

The interest paid by provincial public sectors has been distributed as follows:

												Millions of dollar
To rest of the world					۰	۰	٠					17.7
To households		٠									٠	12.1
Total												29.8

Capital consumption allowances (C3) represent a current expense to industries (\$117.6 million) and are credited to the consolidated capital finance account as a source of funds in rows 6 and 17.

The sum of outlays of industries on non-competitive imports (\$146.8 million) and estimated profits and interest remitted out of the province by industries (\$58.8 million) is entered in row 5, column 1 as receipts of the rest of the world from industries (\$205.6 million).

In rows 10 to 20, primary inputs are re-arranged by type. Factor incomes are shown in rows 10 to 13, indirect taxes in row 15, subsidies in row 16, capital

TABLE 2.3. System of Six Accounts, Nova Scotia, 1965
Separation of Income arising from Production of Goods and Services in the Domestic Economy from Income received by Transfer

	Separation of Income arising from Production of				enditure on		services less		Total income
		Current account inputs of industries	House- holds	Provincial public sectors	Federal govern- ment		the world	Capital finance	arising from domestic production
				300013		Exports	imports		
Item		1	2	3	4	5	6	7	8
No.					millions	of dollars			
	Production:						'		
1	Industries - Receipts from final sales less competitive imports	-	820.7	124.3	82.4	392.6	- 435.9	212.4	1,196.5
	Incomes arising from domestic production (cols. 1-8):			1005	1560				1,049.2
2	Households	766.7 85.0	-	126.5	156.0	_			1,047.2
3	Provincial public sectors	- 0.4	62.4	_	_	_		_	147.0
4	Federal government	36.2							
		- 14.2	62.5		_	-	-	-	70.5
5	Rest of the world	205.6	90.0	28.7	2.1		-	_	326.4
	Capital finance:								
6	Sources of funds	117.6		_	_		-		117.6
7	Total expenditure	1,196.5	1,035.6	279.5	240.5	378.6	- 435.9	212.4	
				D -	,	- 6 :			
		,		Ke-a	irrangement	or primary	inputs		
9	Production: Industries – Receipts from final sales less competitive								
	imports	-	820.7	124.3	82.4	392.6	- 435.9	212.4	1,196.5
10	Wages, salaries, SLI	539.5	_	114.4	156.0	_	_	_	809.9
11	Unincorporated income	122.3	_		_	_	_	_	122.3
12	Corporate profit	143.2	-	_	_	_	_	and a	143.2
13	Rent and interest	61.5	-	29.8	_	_		-	91.3
14 15	Net Domestic Product at factor cost	866.5	124.9	144.2	156.0		-	_	1,166.7
16	Taxes (indirect)	- 14.6	124.9	_		- 14.0	_	_	205.1
17	Capital consumption allowances	117.6	_	_	-	_		_	117.6
18	Gross domestic product at market prices	1,049.7	124.9	144.2	156.0	- 14.0	-		1,460.8
19	Non-competitive imports	146.8	90.9	11.0	2.1	_	-		249.9
20	Total primary inputs	1,196.5	214.9	155.2	158.1	- 14.0	-	-	1,710.7
21	Total expenditure		1,035.6	279.5	240.5	378.6	- 435.9	212.4	
		Total – Income		Inco	ome and out	lay, and cap	oital finance ac	counts	
		arising		D .	1				
		from domestic	House-	Provin- cial	Federal	Rest	Total	Capital	Total
		production	holds	public sectors	govern- ment	of the world	income (8 + + 12)	finance	income
		8	9	10	11	12	13	14	15
						-			+
2	Manabalda			ì					
2	Households Provincial public sectors	1,049.2	12.0	18.1	93.1	22.3	1,182.7	nere	1,182.7
4	Federal government	70.5	13.8	1.0	101.3	-	262.1	36.5	298.6
5	Rest of the world	326.4	+ 15.0	1.0	-	_	133.4	301.5	434.9
			- 21.3	_	_	_	320.1	1	320.1
6	Capital finance sources of funds	117.6	77.7	-	-	355.1	550.4	_	550.4
7	Total expenditure on goods and services		1,035.6	279.5	240.5	- 57.3		212.4	
5	Total outlay		1,182.7	298.6	434.9	320.1		550.4	

consumption allowances in row 17, and non-competitive imports in row 19. The column sums of primary inputs are of course identical in the two arrangements. 16

Transactions of Category D – Transfers among households, provincial public sectors, the federal government and the rest of the world are shown in the intersections of rows 2 to 5 and columns 9 to 12. These entries form a matrix of transfers between sectors.

Thus, for example, households receive \$18.1 million in personal transfer payments from provincial public sectors; \$93.1 million in personal transfer payments from the federal government, and \$22.3 million in miscellaneous property income and remittances from the rest of the world. When added to earned income of \$1,049.2 million (col. 8) we arrive at total household income of \$1,182.7 million entered in column 13. Household outlay, other than purchases of goods and services inclusive of indirect taxes, are entered in column 9 as transfers from households to the four other sectors of the system of accounts. Thus the household account pays \$13.8 million to provincial public sectors in direct taxes, \$61.9 million to the federal government in direct taxes, \$15.0 million to the rest of the world for tourism out of the province, and receives \$21.3 million from non-resident tourists, leaving a residual estimate of personal savings, inclusive of retained earnings of local corporations, of \$77.7 million. When the above items of outlay are added to the expenditure of \$1,035.6 million on goods and services, we arrived at total household outlay of \$1,182.7 million (row 8).

If we examine the account of the federal government (row 4) we observe that revenues arising from domestic production (\$70.5 million) are composed of indirect taxes paid by industries (\$36.2 million), subsidies paid to industries (\$-14.2 million), indirect taxes paid by households (\$62.5 million) and subsidies paid

for hauling coal from Nova Scotia to Central Canada (\$-14.0 million). To these items are added personal direct taxes of \$61.9 million and an adjustment credit from provincial public sectors of \$1.0 million. The total federal revenue, net of subsidies paid, is \$133.4 million (column 13).

Federal outlays, other than expenditure on the purchase of goods and services of \$240.5 million (row 7, column 11), are composed of transfer payments to households (\$93.1 million) and transfers to provincial public sectors (\$101.3 million). The total federal government outlay of \$434.9 million is \$301.5 million in excess of total net federal revenues deriving from Nova Scotia (\$133.4 million). The residual difference between the income and outlay of the federal government is entered in column 14 and represents the net fiscal transfer into Nova Scotia by the federal government.

Transactions of Category E-By now it is clear that "transactions" of Category E constitute the net sources of finance for domestic capital formation in the capital finance account; they are found in row 6 and column 14.

Credits to the consolidated capital finance account are recorded in row 6. These consists of capital consumption allowances (\$117.6 million), personal savings (\$77.7 million) and a residual item of \$355.1 million which represents the current account deficit on the balance of payments.

Debits to the account are entered in column 14; net borrowing by provincial public sectors (\$36.5 million); the excess of federal expenditures made in Nova Scotia over federal revenues originating from Nova Scotia (\$301.5 million); and, of course, gross capital formation of industries (\$212.4 million).

V. CONSOLIDATED ACCOUNTS FOR A PROVINCIAL ECONOMY

Gross Domestic Product and Expenditure

It is now possible to obtain the four summary tables of consolidated "national" accounts for a provincial economy. These, it will be recalled, are the Domestic Product and Expenditure Account, Provincial Disposable Income and its Disposition, Capital Finance and the Balance of Payments. The Gross Domestic Product and Expenditure Account is equivalent to the Consolidated Production Account of Industries and Government Sectors. Both the product and the expendi-

ture sides of the GDP account of Table 2.4A are taken from Table 2.317

Gross Domestic Product at market prices for Nova Scotia in 1965 was \$1,460.8 million; Net Domestic Product at market prices was \$1,343.2 million; Net Domestic Product at factor cost was \$1,166.7 million. The latter was composed of wages and salaries (\$809.9 million), unincorporated income (\$122.3 million), corporate profits (\$143.2 million) and rent and interest

¹⁶ The reader is reminded that the exposition reverses the procedure of estimation. In fact primary inputs by type are obtained prior to their distribution by receiving accounts.

¹⁷ Column 8 (rows 10 to 18) of Table 2.3 record the product side of the GDP account. Row 21 (columns 2 to 7) minus the entry at the intersection of row 19, column 8 record the expenditure side of the GDP account.

(\$91.3 million). Expenditure on the Gross Domestic Product was composed of personal expenditure (\$1,035.6 million), expenditure on goods and services by provincial public sectors (\$279.5 million), expenditure on goods and services by federal government (\$240.5 million), gross domestic capital formation of industries (\$212.4 million), exports to foreign countries (\$137.6 million), exports to the rest of the Canada (\$241.0 million), less imports of \$685.8 million.

Tables 2.4B, C and D present the same information for Newfoundland, Prince Edward Island and New Brunswick respectively.

Provincial Disposable Income and its Disposition

While Gross Domestic Product pertains to the market value of goods and services produced within the geographic boundaries of the provincial economies, provincial disposable income pertains to the annual income available to residents of the province and to its disposition. (As has already been explained, there is no meaningful provincial counterpart to Gross National Product and Expenditure.)

Provincial Disposable Income and its disposition for Nova Scotia 1965 is presented in Table 2.5A.

The components of Provincial Disposable Income are: Net Domestic Product at factor cost (\$1,166.7 million), plus indirect taxes levied by provincial public sectors (\$205.1 million minus \$65.5 million) less subsidies paid by provincial public sectors (\$14.6 minus \$14.2 million) plus transfers from the federal government (\$194.4 million), plus transfers from the rest of the world (\$22.3 million) less funds remitted or remittable to the rest of the world by industries and provincial public sectors (\$77.5 million) less direct taxes paid to the federal government (\$95.1 million).

The disposition of Provincial Disposable Income is as follows: personal expenditure on goods and services, non-competitive imports, tourism out of the province and indirect taxes (\$1,029.3 million); plus the provincial public sector expenditure on its own output, on the output of industries and on non-competitive imports (\$279.5 million), and net provincial savings (\$77.7 million minus \$36.5 million).

This represents aggregate consumption and savings by provincial residents and provincial and local governments. Tables 2.5B, C and D present the same information for Newfoundland, Prince Edward Island and New Brunswick respectively.

The Balance of Payments

Transactions of residents with non-residents fall into two distinct categories: (i) transactions with the federal government, and (ii) transactions with the rest of the world. Table 2.6A shows receipts and payments of Nova Scotia residents in transactions with non-residents.

Total receipts of Nova Scotia residents deriving from transactions with the federal government were \$447.0 million, arising from: sales of goods and services by industries (\$82.4 million); wages, salaries and SLI earned by residents (\$156.0 million); subsidies to industries (\$14.2 million); transfer payments to households (\$93.1 million), and transfers to provincial public sectors (\$101.3 million). Total receipts from the rest of the world were \$436.2 million, arising from: exports, including tourism (\$413.9 million); transfers to households in the form of property income and remittances (\$22.3 million); and a (residual) net capital inflow of \$53.6 million. This latter figure represents an estimate of that portion of the deficit on current account not covered by net federal fiscal transfers into Nova Scotia.

Payments by residents consist of: direct and indirect taxes remitted to the federal government by industries and households (\$161.6 million); transfer by provincial and municipal governments to the federal government (\$1.0 million); payments to the rest of the world for commodity imports (\$683.7 million); tourist expenditures out of the province (\$15.0 million); and remitted or remittable profit and interest (\$76.5 million).

Table 2.6B presents the same information for Newfoundland, Prince Edward Island, and New Brunswick respectively.

The Consolidated Capital Finance Account was discussed earlier, and is the same as shown in Table 2.2F.

TABLE 2.4 A. Gross Domestic Product and Expenditure, 1 1965 Nova Scotia

Dr. Gross Domestic Product	Millions of dollars	Cr. Expenditure on the Gross Domestic Product	Millions of dollars
Add: Wages, salaries and SLI (1 + 92 + 106 + 120 + 142 + 167) Unincorporated income (2) Corporate profit (6) Rent and interest (3 + 93 + 107 + 121 + 143)	809.9 122.3 143.2 91.3	Personal consumption before adjustment ^{2,3} (61)	1,035.6
Equals: Net Domestic Product at factor cost	1,166.7	Expenditure on goods and services by federal government (169)	240.5
Plus: Indirect taxes (12 + 54)	205.1	Gross domestic capital formation (36, 226)	212.4
Less: Subsidies (17 + 18 + 223) Equals:	- 28.6	Exports ^{4,5} To foreign countries (40, 190) To Canada ⁵ (41 + + 45-223)	(378.6) 137.6 241.0
Net Domestic Product at market prices Plus: Capital consumption allowances (19) Equals:	1,343.2 117.6	Less: Imports ³ Competitive imports (201) Non-competitive imports (207)	- (685.8) - 435.9 - 249.9
Gross Domestic Product at market prices	1,460.8	Expenditure on the Gross Domestic Product at market prices	1,460.8

¹ Consolidated Production Account of Industries and Government. Reference numbers refer to entries in the System of Nine Accounts, (See Tables 2.8 and 2.9.)

² Includes purchases by non-resident tourists.

TABLE 2.4 B. Gross Domestic Product and Expenditure, 1 1965 Newfoundland

Dr. Gross Domestic Product	Millions of dollars	Cr. Expenditure on the Gross Domestic Product	Millions of dollars
Add: Wages, salaries and SLI (1 + 92 + 106 + 120 + 142 + 167) Unincorporated income (2)	408.1 44.3 113.5 52.3	Personal consumption before adjustment ² , ³ (61) Expenditure on goods and services by provincial public sectors (97 + 111 + 125 + 147)	506.8
Equals: Net Domestic Product at factor cost	618.2	Expenditure on goods and services by federal government (169)	58.1
Plus: Indirect taxes (12 + 54)	97.6	Gross domestic capital formation (36, 226)	134.2
Less: Subsidies (17 + 18 + 223)	- 13.7	Exports ⁴ To foreign countries (40, 190) To Canada (41 + + 45-223)	(311.0) 259.3 51.7
Net Domestic Product at market prices Plus: Capital consumption allowances (19) Equals:	703.1 65.7	Less: Imports? Competitive imports (201) Non-competitive imports (207)	(- 409.4) - 289.4 1 20.0
Gross Domestic Product at market prices	767.8	Expenditure on the Gross Domestic Product at markét prices	767.8

³ Excludes resident tourist expenditures out of province.

⁴ Excludes purchases by non-resident tourists.
5 Excludes \$14 million federal subsidy on coal shipments.

See footnote 1, Table 2.4A.
 Includes purchases by non-resident tourists.
 Excludes resident tourist expenditures out of province.
 Excludes purchases by non-resident tourists.

TABLE 2.4 C. Gross Domestic Product and Expenditure, 1 1965 Prince Edward Island

Dr . Gross Domestic Product	Millions of dollars	Cr. Expenditure on the Gross Domestic Product	Millions of dollars
Add: Wages, salaries and SLI(1 + 92 + 106 + 120 + 142 + 167) Unincorporated income (2) Rent and interest (3 + 93 + 107 + 121 + 143) Equals:	72.8 33.1 11.2	Personal consumption before adjustment ^{2,3} (61)	129.3 41.0
Net Domestic Product at factor cost	130.9	Expenditure on goods and services by federal government (169)	24.6
Plus: Indirect taxes (12 + 54)	27.2	Gross domestic capital formation (36, 226)	28.6
Less: Subsidies (17 + 18 + 223)	- 3.6	Exports ⁴	(48.2) 10.2 38.0
Net Domestic Product at market prices Plus: Capital consumption allowances (19)	154.5 16.7	Less: Imports Competitive imports (201) Imports (207)	(~ 100.5) - 67.1 - 33.4
Equals:			
Gross Domestic Product at market prices	171	Expenditure on the Gross Domestic Pro-	171.2

See footnote 1, Table 2.4A.
 Includes purchases by non-resident tourists.
 Excludes resident tourist expenditures out of province.

4 Excludes purchases by non-resident tourists.

TABLE 2.4 D. Gross Domestic Product and Expenditure, 1 1965 New Brunswick

Dr. Gross Domestic Product	Millions of dollars	Cr. Expenditure on the Gross Domestic Product	Millions of dollars
Add: Wages, salaries and SLI (1 + 92 + 106 + 120 + 142 + 167) Unincorporated income (2) Corporate profit (6) Rent and interest (3 + 93 + 107 + 121 + 143)	615.9 89.6 109.7 80.6	Personal consumption before adjustment2,3 (61) Expenditure on goods and services by provincial public sectors (97 + 111 + 125 + 147)	767.1 231.4
Equals: Net Domestic Product at factor cost Plus Indirect taxes (12 + 54) Less: Subsidies (17 + 28 + 223) Equals:	895.8 163.9 -6.7	Expenditure on goods and services by federal government (169) Gross domestic capital formation (36, 226) Exports ⁴ ,5 To foreign countries (40, 190) To Canada (41 + 45-223)	100.0 232.5 (382.3) 207.9 174.4
Net Domestic Product at market prices Plus Capital consumption allowances (19) Equals:	1,053.0 112.6	Less: Imports3 Competitive imports (201) Non-competitive imports (207)	(- 547.7) - 332.4 - 215.3
Gross Domestic Product at market prices	1,165.6	Expenditure on the Gross Domestic Product at market prices	1,165.6

See footnote 1, Table 2.4A.
 Includes purchases by non-resident tourists.
 Excludes resident tourist expenditures out of province.
 Excludes purchases by non-resident tourists.
 Excludes \$1.5 million Federal Subsidy on coal shipments.

TABLE 2.5 A. Provincial Disposable Income, 1965 Nova Scotia

Disposition	Millions of dollars	Source	Millions of dollars
Personal expenditure on consumer goods and services: Industries ¹ Non-competitive imports ² Indirect taxes	799.4 105.0 124.9	Wages and salaries, etc. Unincorporated income Corporate profit Rent and interest originating in: Industries Provincial public sectors	809.9 122.3 143.2 61.5 29.8
Total	1,029.3	Sub-total: Net Domestic Product at factor cost Add:	(1,166.7)
Local governments expenditure on goods and		Total indirect taxes Less:	205.1
services: On own output	144.2	Indirect taxes to federal government Deduct:	- 65.5
Industries	124.3 11.0	Total subsidies	- 14.6
Non-competitive imports	11.0	Subsidies from federal government Add:	- 14.2
Total	279.5	Transfers from federal government Property income, wages and salaries and	194.4
		transfers from rest of world	22.3
Saving: Personal saving	77.7	Interest from industries to rest of world Profits from industries to rest of world	- 16.9 - 41.9
Local governments	- 36.5	Interest from local governments to rest of world	- 17.7
Total	41.2	Transfers from local governments to rest of world Direct taxes to federal government	- 1.0 - 95.1
Total	1,350.0	Provincial disposable income	1,350.0

¹ Excluding non-resident tourist expenditure in the province.
2 Including resident expenditure on tourism outside the province.

TABLE 2.5 B. Provincial Disposable Income, 1965 Newfoundland

Disposition	Millions of dollars	Source	Millions of dollars
Personal expenditure on consumer goods and services:	382.8	Wages, salaries and SLI Unincorporated income Profits and investment income originating in:	408.1 44.3
Industries ¹ Non-competitive imports ² Indirect taxes	57.9 68.3	Corporate industries	150.6 15.2
Total	509.9	Net Domestic Product at factor cost Add:	(618.2)
		Total indirect taxes	97.6
Local governments expenditure on goods and services:		Indirect taxes to federal government	- 32.8
On own output Industries	72.0 88.4	Total subsidies	- 13.7
Non-competitive imports	6.7	Subsidies from federal government Add:	13.6
Total	167.1	Transfers from federal government Property income, wages and salaries and	149.9
		transfers from rest of world	6.4
Saving:		Interest from industries to rest of world	- 20.0
Personal saving	38.0 - 14.3	Profits from industries to rest of world Interest from local governments to rest of	- 49.9
		world	- 11.9
Total	23.7	world	- 2.2
		Direct taxes to federal government	- 55.4
Total	699.8	Provincial disposable income	699.8

 ¹ Excluding non-resident tourist expenditure in the province.
 2 Including resident expenditure on tourism outside the province.

TABLE 2.5 C. Provincial Disposable Income, 1965 Prince Edward Island

Disposition	Millions of dollars	Millions of dollars	
Personal expenditure on consumer goods and		Wages, salaries and SLI	72.8
services:		Unincorporated income	33.1
Industries1	91.9	Profits and investment income originating in:	20.5
Non-competitive imports ²	12.5 18.9	Corporate industries	4.5
Indirect taxes	10.9	Sub-total:	
Total	123.3	Net Domestic Product at factor cost	(130.9)
		Add:	27.2
		Total indirect taxes	21.2
Local governments expenditure on goods and		Indirect taxes to federal government	- 9.5
services:		Deduct:	
On own output	17.6	Total subsidies	- 3.6
Industries	20.9 2.5	Add: Subsidies from federal government	3,4
Non-competitive imports	2.5	Add:	J. 1
Total	41.0	Transfers from federal government	34.7
		Property income, wages and salaries trans-	2.0
		fers from rest of world Deduct:	3.0
Saving:		Interest from industries to rest of world	- 3.7
Personal saving	8.7	Profits from industries to rest of world	- 1.8
Local governments	- 5.2	Interest from local governments to rest of	2.5
		World Transfers from local governments to rest of	- 3.5
Totai	3.5	world	- 0.2
		Direct taxes to federal government	- 9.1
Total	167.8	Provincial disposable income	167.8

 ¹ Excluding non-resident tourist expenditure in the province.
 2 Including resident expenditure on tourism outside the province.

TABLE 2.5 D. Provincial Disposable Income, 1965 **New Brunswick**

Disposition	Millions of dollars	Source	Millions of dollars
Personal expenditure on consumer goods and services: Industries ¹	593.6	Wages, salaries and SLI Unincorporated income Profits and investment income originating in:	615.9 89.6
Non-competitive imports ²	77.7 96.8	Corporate industries Local government Sub-total:	167.1 23.2
Total	768.1	Net Domestic Product at factor cost Add:	(895.8)
		Total indirect taxes	163.9
Local governments expenditure on goods and services:		Indirect taxes to federal government Deduct:	- 50.1
On own output Industries	117.6 105.6	Total subsidies	- 5.2
Non-competitive imports	8.2	Subsidies from federal government Add:	4.8
Total	231.4	Transfers from federal government Property income, wages and salaries and	170.5
		transfers from rest of world Deduct:	13.5
Saving: Personal saving Local governments	58.4 - 20.2	Interest from industries to rest of world Profits from industries to rest of world Interest from local governments to rest of	- 28.9 - 38.5
Total	38.2	Transfers from local governments to rest of	- 14.2
		world Direct taxes to federal government	- 0.8 - 73.1
Total	1,037.7	Provincial disposable income	1,037.7

Excluding non-resident tourist expenditure in the province.
 Including resident expenditure on tourism outside the province.

TABLE 2.6 A. Balance of Payments Account, 1965 Nova Scotia

Receipts of residents	Millions of dollars	Payments by residents	Millions of dollars
From federal government	(447.0)	To federal government	(161.6)
Sales of goods and services by industries (166)	82.4	Direct and indirect taxes:	
Wages, salaries and SLI (167)	156.0	Paid by industries (179 + 181) Paid by households (182)	36.2 124.4
Subsidies to industries (180)	14.2	Transfer from provincial government (185)	0.8
Transfers to households (171)	93.1	Transfer from municipal government (186)	0.2
Transfers to provincial public sectors (172 ++ 175)	101.3	To rest of the world	(775.2)
From rest of the world	(436.2)	Competitive imports (by industries) (201)	435.9
Exports including tourism (189 + 196)	413.9	Non-competitive imports (excluding federal government) (207-214)	247.8
Transfers to households (remittances, gifts, miscellaneous property income) (198)	22.3	Tourist expenditures by households out of province (215)	15.0
Net capital inflow from rest of the world not covered by federal government transfers (236)	(53.6)	Remittable and remitted profit and interest (217)	76.5
Total receipts of residents	936.8	Total payments by residents	936.8

TABLE 2.6 B. Balance of Payments Account, 1965
Atlantic Provinces

	Newfound- land	Prince Edward Island	Nova Scotia	New Brunswick
Receipts of residents	Mary Sharper Manager Str. Manager Str.	millions o	of dollars	
From federal government Sales of goods and services by industries (166) Wages, salaries and SLI (167) Subsidies to industries (180) Transfers to households (171) Transfers to provincial public sectors (172 + . + 175)	(221.1) 28.7 28.9 13.6 54.1 95.8	(61.7) 8.8 14.8 3.4 15.7 19.0	(447.0) 82.4 156.0 14.2 93.1 101.3	(274.5) 25.9 73.3 4.8 72.6 97.9
From rest of the world Exports including tourism (189 + 196) Transfers to households (remittances, gifts, miscellaneous property income) (198)	(320.2) 313.8 6.4	(59.2) 56.2 3.0	(436.2) 413.9 22.3	(416.3) 402.8 13.5
Net capital inflow from rest of the world not covered by federal government transfers (236)	(44.8) 586.1	(8.4)	(53.6) 936.8	(81.7) 772.5
Total receipts of residents	200.1	125.5	930.0	112.3
To federal government	(90.4)	(18.8)	(161.6)	(124.0)
Paid by industries (179 + 181) Paid by households (182) Transfer from provincial government (185) Transfer from municipal governments (186)	29.4 58.8 2.0 0.2	4.2 14.4 0.2	36.2 124.4 0.8 0.2	31.7 91.5 0.7 0.1
To rest of the world	(495.7) 289.4	(110.5) 67.1	(775.2) 435.9	(648.5) 332.4
less 214)	119.5 5.0 81.8	32.4 2.0 9.0	247.8 15.0 76.5	214.5 20.0 81.6
Total payments by residents	586.1	129.3	936.8	772.5

VI. THE SYSTEM OF NINE ACCOUNTS

In the tables which follow, the five sectors of the simplified system are expanded to eight sectors by disaggregating the provincial public sectors into four sub-sectors representing the functional categories of expenditures on education, hospitalization, municipal government services, and provincial government services.

The expansion principally affects the transfer matrix D and the full system of nine accounts for each of the four Atlantic Provinces and for the Atlantic Region is shown in matrix form in Table 2.7. Detailed accounts for Nova Scotia for 1965 are presented in Table 2.8 and similar detail for each of the other Atlantic Provinces is found in Table 2.9.

TABLE 2.7 A. System of Nine Accounts, Summary of Transactions, 1965 Newfoundland

			Newfo	oundland							
				Fir	ial expenditu	re on goods	and service	ces, less compe	etitive impor	ts	
				Capital for	rmation – stries	Fede				cial public	
		Current account inputs of industries	Personal expenditure (including purchases by non-resident tourists)	Gross fixed capital formation	Inventory change	Defence	Civil	Provincial	Municipal	Education	Hospitali- zation
			-			,			8	9	10,
`		-	w 10			millions of	f dollars	No. of Section	(200 m / 625)	production of a contract of the second of th	
1	Sales by industries		385.6	128.6	5.6	2.6	26.1	53.0	10.5	11.4	13.5
2	Primary inputs: Wages, salaries, and SLI	322.4	_	1	-	7.2	21.7	16.5	2.8	21.8	15.7
3	Unincorporated income	44.3	-	-	-	-	-		-	-	-
4	Corporate profit	113.5	-	-		-	-	11.2	1.1	2.8	0.1
5	Rent and interest	37.1									
6	Net Domestic Product at factor cost (2++5)	(517.3)	_	-	_	(7.2)	(21.7)	(21.17)	(0.5)	(2110)	(10.0)
	Indirect taxes:										
	Municipal			1		- 1	- 1	-	-	_	_
9		19.9						_			
10	Education and hospital charges				-	- 1	- j	-	-	-	-
11 !	Less: Subsidies. Provincial	-0.1		1 -				1		-	-
12						- 1		-	-/	-	- 1
13					-/	- I		-	-	-	-
14					-	(7.2)	1	!			
15					_	0.2	0.3	1.5			
16	Total primary inputs (14+15)	(658.5)	(121.2)	-		(7.4)	(22.0)	(29.2)	(4.5)	(26.1)	(18.9)
17	Total final expenditure on goods and services, less competitive imports	Herce as the state	SIW S	Axer -	\$,0	10.0	48.1	82.2	15.0	37.5	32.4
	Income plus deficit (column 30) of:										
	Households (2+2+33+35)	412.7				7.2	21.7	19.2	2.8	21.8	15.7
	Hospitalization (10)	-			-/	1 - 1	-	-	-	_	-
21	Municipal government (7)				-/	-	- /	-	_		-
22	Provincial government (8+11+32)				-/	-	- /	-	_	-	-
11		.2 - 5	30.0			0.2	0.3	94	1 1.7	4.3	3.2
٠,	Total outlay										
26	Capital finance: CCA plus saving	65.7	1 -	-	_	_	_			1 _	
27	Total primary (18+ +24+26)	658.5	121.2	-	_	7.4	22.0	29.2	4.5		18.9
28	1 Total (1+27)		506.8	128.6	5.6	6 10.0	8.1	82.2	15.0	37.5	32.4
`,				(13-	4.2)	(5.8.				67.1)	
200							;				
	Estimated allocation of profit, rent and interest:										
	Profits:										
31	Federal tax			-	-	- /	- /	-/	-	-/	-
32	Provincial tax Remaining in province			_	-	-	-	-	-	-	-
34	Transferred out			-	-	-		-		-	-
	Rent and interest:										
35 36	Remaining and province			-				3 3	1.1	2.8	0.1

TABLE 2.7 A. System of Nine Accounts, Summary of Transactions, 1965

										Newfou	ndland										
	Final	expendi	ture on g	goods and	l services	, less cor	npetitive	imports		1		O	ıtlay plu	c coving ((row 26)	of					,
		Exports					mpetitive	2					rtiay più	s saving (10w 20)				Capital finance: Gross		
Correspondence of the second s	Retail Canada (A.X.) India- (A.1.) If iv meest	Nov S ***	News Wich	Pro 13. A Island	N iva	New off, 1 -	Prince I to a c (si p)	other	Sub-total (2+ +19)	Total primary inputs (1++20)	House- holds	Edu- cation	Hospi- tali- zation	cipal	Provincial government	Federal govern- ment	Rest of the world	Total income (21++28)	domes- tic capital forma- tion plus deficits	Foto,	
11		? 4	14	15	1 (,	. 1	15	1)	3	71			,71	1 25	26	2~	24	<u>-</u>	ξe ₁	3.1	-
					Anie i tran przezanie	Silvebrancou, ten ar ann san	or a servery servery		Arms, v maris Vinningia Algebraya da ir s	millions of d	ollars			+ # # · · · · · · · · · · · · · · · · ·			**************************************	to Marchael Commence of the season of the			
259.3	42.3	9.3	0.1		-20.8	-11.1	-5.1	-252.4	658.5	1 –				i					1		1 1
				,						!											
-			-	-	-		-	_	85.7	408.1											2
_	-		-	_			-		-	44.3											3 4
-	- 1	-	-				- 1	-	15.2	52.3				1		i 1		1			1 5
-	-	-	-	-	-	-	_	-	(100.9)	618.2						1			1		6
												!									
_	-	_	-		_	_	_	_	1.4	8.0					1						
-	-	-	-	-	-	-	-		30.0	32.8											,
	-	_	-	-	-	-			3.3	3.3											10
					l	_	_	_	1 –	-0.1						! [1	1		11
-	-	-	-	-			-	_	-	-13.6											12
-	-	_	-	-	_	-	-	_	- (*(0.2)	65.7											13
_	_	_	-	_		_		_	(169.2)	767.8											14
								_	(229.3)	887.8											16
			1						(22)13)		-CO				!						1
259.3	42.3	9.3	0.1		- 20.8	11.1	5.1	- 252.4	687.8		306.8	37.5	32.4	15.0	82.2	58.1	21.6	1 1	134 2	887.8	1
									1	5012		1	ı		1 100	54.1	6.4	(592.0)	1	582.0	10
_	_	_	_	_	_	_	_			501.7	_	_	-	0.7	19.8	4.7	-	(582.0)	2.0	37.5	1
-	-	-			and a		-			1.8	-	_		-	16.3	12.4		(30.7)	1.7	32.4	
_		_	-				_			8.0 61.5	6.2	_		_	4.0	78.0		(12.5)	3.4 7.2	15.9 152.9	ž.
-					_		-	-		45.8	28.8	-	-	0.2	2.0	-		(76.8)	131.2	208.0	1
-	-				-		1 -			201.8	2.2	_		-	-			(204.0)		204.0	24
											(544.0)	(37.5)	(32.4)	(15.9)	(70.7)	(149.9)	(28.0)				25
-	_		-	_	_	-	-		_	65.7	38.0			-	-	-	176.0			279.7	26
***	-	-	-	-	i –	_	<u> </u>	<u> </u>	-	887.8				1	Ŧ	1 1		The state of the s	į		27
259.3	42.3	9.3	0.1		-20.8	-11.1	-5.1	-252.4	887.8				1			:		1			28
				21.6								l	Į.		1						29
				-						And the second second second second second second	5820	37.5	32.4	13.9	1529	208.0	204.0		279.7		30
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						1												1			
									1												11
																					11
																					34
																					37

TABLE 2.7 B. System of Nine Accounts, Summary of Transactions, 1965 Prince Edward Island

			Prince Ec	lward Island							
				Fir	al expenditu	re on good:	and servi	ces, less comp	etitive impor	ts	
			-	Capital fo		Fed				al public tors	
		Current account inputs of industries	Personal expenditure (including purchases by non-resident tourists)	Gross fixed capital formation	Inventory change	Defence	Civil	Provincial	Municipal	Education	Hospitali- zation
	-	 1	1 2		1		ι,		8	9	10
No.		1	1 4			millions o					
						Inimons C	n donais				
1	Sales by industries		99.9	30.9	-2.3	4.0	4.8	15.1	1.6	2.3	1.9
2	Primary inputs: Wages, salaries, and SLI	44.9	-	1 _ 1		8.5	6.3	3.7	0.8	5.5	3.1
3	Unincorporated income	33.1		-	-		-			_	-
4	Corporate profit	13.8		-	_			_	-	_	
5	Rent and interest	6.7	-			-	-	3.0	0.5	0.7	0.1
6	Net Domestic Product at factor cost (2++5)	(98.5)	_	-	-	(8.5)	(6.3)	(6.7)	1.3	(6.4)	(3.2)
	Indirect taxes:									}	
7		3.8		-		- 1	-			_	
9		3.8 0.7	8.8		-			_	_		_
10		-	0.8	_						_	_
	Less: Subsidies:										
11 1	Provincial	-0.2	-	-		-		_	_		-
12		-3.4		1 -				_	_	_	
13		16.7	_	_			-	_	_	-	_
14	Gross Domestic Product at market prices (6 + + 13) . Non-competitive imports	(119.9) 19.4			_	(8.5)	(6.3)	(6.7)	0.4	(6.4)	(3.2)
16	Total primary inputs (14+15)	(139.3)	(29.4)	-	_	(9,3)	(6.5)	7.2	1.7	7.0	4.2
17	Total final expenditure on goods and services, less competitive imports		129.3	30.9		13.3	11.3	22.3	3.3	9.3	6.1
	Income plus deficit (column 30) of:										
	Households (2+3+33+35)	88.6	_	-	_	8.5	6.3	4.7	0.8	5.5	3.1
19		-	0.4	_	_	-	_	_	_	una.	_
20	Hospitalization (10)	3.8	0.4	_	-	-	_	-	_	-	-
22	Provincial government (8+11+32)	4.5	8.8			_	_	_		_	_
23	Federal government (9+12+31)	0.8	8.8	-		-	_	_	_	_	p.com.
24	Rest of the world (15+34+36)	24.9	10.5	-	_	0.8	0.2	2.5	0.9	1.5	1.1
25	Total outlay										
26	Capital finance: CCA plus saving	16.7	-	_	-	-	_	_	_	_	_
27	Total primary (18+ +24+26)	139.3	29.4	_	_	9.3	6.5	7.2	1.7	7.0	4.2
28	Total (1+27)		129.3	30.9	-2.3	13.3	11.3	22.3	3.3	9.3	6.1
29			1	(28	.6)	(24	.6)		(3-	4.9)	
31)	Estimated allocation of profit, rent and interest:		1		1						
2.5	Profits.						1				
31	Federal tax	3.5 0.9	_	-	_	-					
33	Remaining in province	7.6	_		_ _	-	_				
34	Transferred out	1.8		-] _				_	
0.5	Rent and interest:						1				
35	Remaining in province	3.0	_					1.0			
36	Transferred out	3.7					_	1.0	0.5	0.9	0.1

TABLE 2.7 B. System of Nine Accounts, Summary of Transactions, 1965
Prince Edward Island

										Prince Edv	vard Islan	ıd									
	Final	expendi	ture on	goods an	d services	s, less cor	npetitive	imports	3			0.			26)						
		Exports				Less	Compe					Oi	ıtlay plu:	s saving ((row 26)	of			Capital finance:		
Foreign coun- tries	Rest of Canada (ex- cluding At- lantic prov- inces)	Nova Scotia	New- Bruns- wick	New- found- land	Nova Scotia	New Bruns- wick	New found- land	All other sources	Sub-total (2+ +19)	Total primary inputs (1++20)	House- holds	Edu- cation	Hospi- tali- zation	Muni- cipal govern- ment	Provincial government	Federal govern- ment	Rest of the world	Total income (2++28)	Gross domes- tic capital forma- tion plus deficit	Total	
11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	No.
										millions of	dollars				-						
10.2	14.7	12.5	5.7	5.1	-4.8	-7.8		-54.5	139.3	_											. 1
-	-		_		- !		-	-	27.9	72.8											2
_	_	_	_	_	_	_	_	_	_	33.1 13.8											1 3
			_	- :		_	-	_	4.5	11.2											5
-		-	-	-	-		-	-	(32.4)	(130.9)											6
				_	_		_	_	0.5	4.3											7
	-	-	- 1	-		-	-	-	8.8	12.6											1 8
				_		-	_	_	8.8	9.5 0.8											9
									0.6												110
	-	-	-		-	-	-	-	-	-0.2 -3.4									}		11
					-	-	-		-	16.7											13
-	-	-	-	-	- 1	-	- 1	-	(51.3)	171.2											14
					-				14.0	33.4											15
-	-	-	-	-	-		-	-	(65.3)	204.6											16
10.2	14.7	12.5	5.7	5.1	-4.8	-7.8		-54.5	204.6		129.3	9.3	6.1	3.3	22.3	24.6	18.9		28.6	204.6	17
-	-	-	-		-	- 1	-	-	-	117.5	-	-	- '	0.1	2.5	15.7	3.0	(138.8)	-	138.8	
					- ,	-	-	-	_	0.4	_	_	_	3.0	4.9	0.6		(8.9)	0.4 0.2	9.3	19
-	-	-	-	-	-	-	-		-	4.3	-	-	-	-	1.0	0.2	-	(5.5)	0.9	6.4	21
deal	_			-	_		-	-	_	13.3 9.6	5.6	_	-		0.2	15.6	_	(30.1)	3.7 43.9	59.3	22
-	-	-	-	-	_		-		-	42.4	-6.0	-	-			-	-	(36.4)	-	36.4	
											(130.1)	(9.3)	(6.1)	(6.4)	(33.8)	(59.3)	(15.9)				25
							į	_	_	16.7	8.7					I	52.3			77 7	26
-					_		-			204.6											27
10.2	14.7	12.5	5.7	5.1	-4.8	-7.8		-54.5	204.6				j		1						28
		1		(-18.9)																	29
											138.8	9.3	6.1	64	33.8	593	36.4		77,7		3(1
y 0	e P = C =									,				01		16 , 3					31 32 33 34 35 36

TABLE 2.7 C. System of Nine Accounts, Summary of Transactions, 1965

			Nova	Scotia							
				Fina	al Expenditu	re on goods	and servi	ces, less comp	etitive import	:s	
				Capital for indust		Fede govern				al public tors	
		Current account inputs of industries	Personal consumption (including purchases by non-resident tourists)	Gross fixed capital formation	Inventory change	Defence	Civil	Provincial	Municipal	Education	Hospitali- zation
No.		ī	2	3	4	5	6	7	8	9	10
NO.	and the second s	and the second s	and the second s	to a particle of the second section of the section of the second section of the second section of the second section of the section of the second section of the section	gar g, recented a a trifecondra alleria (de de	millions o	f dollars				
	Sales by industries		820.7	207.7	4.7	45.2	37.2	54.7	17.0	28.6	24.0
	Primary inputs:	620.5				87.7	68.3	20.0	10.1	53.9	30.4
2	Wages, salaries, and SLI	539.5 122.3	-	_		67.7	-	-	-		-
4	Corporate profit	143.2	-	-		-		-	-	-	-
5	Rent and interest	61.5		-			-	18.2	3.0	6.6	2.0
6	Net Domestic Product at factor cost (2++5)	(866.5)	_	-	-	(87.7)	(68.3)	(38.2)	(13.1)	(60.5)	(32.4)
	Indirect taxes:										
	Municipal	49.9	3.3	- 1		- 1			-	-	_
`	Provincial	27.3	50.4	- 1		- 1			-	-	
	Federal	3.0					-			-	-
1.0	Education and hospital charges		8.7		-					-	
1	Provincial	-0.4								-	-
1.5	Federal					-		-			~
1	Capital consumption allowances								-	-	-
11	Gross domestic product at market prices (6+ +13) Non-competitive imports				-	(87.7)	(68.3)	(38.2)	(13.1) 1.0	(60.5)	(32.4)
	Total primary inputs (14+15)	(1,196.5)	(214.9)	-		(89.2)	(68.9)	(39.6)	(14.1)	(63.6)	(37.9)
1	Total final expenditure on goods and services, less competitive imports		1,035.6	207.7	4.7	134.4	106.1	94.3	31.1	92.2	61.9
***	Income plus deficit (column 30) of:			~ ~.	washington		and cape on the special scales	CONTRACTOR OF THE PROPERTY OF	h. Arma discillator de cariar e de casa		CV have commenced and a second control of the contr
	Households (2+3+33+35)	766.7		_	_	87.7	68.3	27.2	11.5	56.9	30.9
17	Education (10)		3.7	-	-	- 1	_	_			
,,	Hospitalization (10)	40.0			-	-	-	-	-	_	-
1	Municipal government (7) Provincial government (18+11+32)	49.9 34.7					_				-
	Federal government (9+12+31)	22.0					_	_	-		
24	Rest of the world (15+34+36)	205.6	90.0			1.5	0.6	12.4	2.6	6.7	7.0
28	Total outlay										
1,,	Capital finance: CCA plus saving	117.6				-			_		
, .	Total primary (18++24+26)	1,196.5	214.9	- 1		89.2	68.9	39.6	14.1	63.6	37.9
	Total (1+27)		1,035.6	207.7	4.7	134.4	106.1	94.3	31.1	92.2	61.9
				(212	2.4)	(240	0.5)		(27	9.5)	
\$11	Exampled allowed and one of the control of the cont										
	Estimated allocation of profit, rent and interest										
	Profits. Federal tax	33.2									
\	Provincial tax	7.8							-		
: .	Remaining in province	60.3			_					-	
٠.	(Arabban d = a)	-									
	Rent and interest										
35	Remaining in province	44.6			_			7.2	1.6	3.0	- s
36	Transferred out	16.9		_				11.0	1.6	3.6	1 ×

TABLE 2.7 C. System of Nine Accounts, Summary of Transactions, 1965 Nova Scotia

										Nova											
	Final	expendi	ture on g	oods and	l service:	s, less con	npetitive	imports				0	ıtlay ol-	e consider t	row 26)	of					
		Exports				Less: Cor						O1	ıtlay plu	saving (10W 26)	01			Capital finance:		
oreign coun- tries	Rest of Canada (ex- cluding At- lantic Pro- vmces)	New Bruns- wick	Prince Edward Island	New- Found- land	New Bruns- wick	Prince Edward Island	New-	All other sources	Sub-total (2+., 19)	Total primary inputs (1++20)	House- holds	Edu- cation	Hospi- tali- zation	Muni- oipal govern- ment	Provin- cial govern- ment	Federal govern- ment	Rest of the world	Total income (21++28)	Gross domes- tic capital forma- tion plus deficits	Total	
11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
										millions of				1 20	20		4.0		30	31	-!
1276	100.0	20.1	13.0	22.1	22.2			2026					į			1					
137.6	190.0	30.1	12.8	22.1	-32.3	-12.5	-7.5	-383.6	1,196.5	-						i i					
_	_	_	- 1	-	_		_		270.4	809.9				1		,					
-	-	- 1	-	-		- i	-			122.3											
-	-	- 1	-	-		-		-	-	143.2				f							
-	-	-		_		-	_ [-	29.8	91.3								'			
-	-	-	-	-	-		-	-	(300.2)	1,166.7							1				
-	-	-	-	-	_ '	-	-	~	3.3	53.2			1								
_	_	_	_	_		_	_	_	50.4 62.5	77.7 65.5						1					
-	-	-	-	-	_	-		-	8.7	8.7	1										
1																					
	-14.0	-	_	_	_	-		-	-14.0	-0.4 -28.2											
_	-14.0		-	-	_	-			-14.0	117.6											
_	(-14.0)	- 1	- 1	- 1	_	_		_	(411.1)	1,460.8											
-	- 1		-	-	-	-	-	-	103.1	249.9											
en-	(-14.0)	_ [_			_		_	(514.2)	1,710.7											
	((51112)	*,710,7											Л
37.6	176.0	30.1	12.8	22.1	-32.3	-12.5	-7.5	-383.6	1,710.7		1,035.6	92.2	61.9	31.1	94.3	240.5	57.3		2124	1,710.	
37.0									_	1,049.2	_		_	4.0	14.1	93.1	22.3	(1,182.7)		1,182	
37.0				1	-				_	3.7	_			37.4	36.9	5.1	-	(83.1)			
-	-	_	- 1	-	_	-	-								30.7	0.1			9]	92.	
-	-	-	-	- - -	-	-	-		-	5.0	-		_	3.2	30.0	22.5	-	(60.7)	1.2	6]	1
-		-	-	-	-	- - -	-	-		5.0 53.2	-	-	- -	3.2	30.0 6.8	22.5		(60.7) (64.4)	1.2	6]	
-	-		-	-	_		-			5.0	-			3.2	30.0	22.5		(60.7)	1.2	6]	
	-14.0	- - - -	-	- - - -	- - -	- - -	-	- - - -	- - - -	5.0 53.2 85.1	13.8	- : - :	- -	3.2	30.0 6.8 –	22.5 4.4 69.3		(60.7) (64.4) (168.6)	1.2 11.1 14.5	61	
	-	- - -	-	-	-	- - - -	-	-	- - - -	5.0 53.2 85.1 70.5 326.4	13.8 61.9 -6.3	- :	- - - -	3.2 - 0.4 -	30.0 6.8 - 1.0	22.5 4.4 69.3 -	- - -	(60.7) (64.4) (168.6) (133.4) (320.1)	1.2 11.1 14.5	61 5 183 434	
	-14.0	- - -	-	-	-	- - - -	-	-	- - - -	5.0 53.2 85.1 70.5 326.4	- 13.8 61.9 -6.3 (1105.0)	(92.2)	- - - - - (61.9)	3.2 - 0.4 (76.1)	30.0 6.8 - 1.0	22.5 4.4 69.3 - - (434.9)	- - - - (-35.0)	(60.7) (64.4) (168.6) (133.4) (320.1)	1.2 11.1 14.5	61 1831 484 / 82 /	
	-14.0		-	-	-	- - - -	-	-	-	5.0 53.2 85.1 70.5 326.4	- 13.8 61.9 -6.3 (1105.0)	(92.2)	- - - - - (61.9)	3.2 - 0.4 (76.1)	30.0 6.8 - 1.0	22.5 4.4 69.3 - - (434.9)	- - -	(60.7) (64.4) (168.6) (133.4) (320.1)	1.2 11.1 14.5	61 5 183 434	,
	-14.0		-	-	-	- - - -	-	-	-	5.0 53.2 85.1 70.5 326.4	- 13.8 61.9 -6.3 (1105.0)	(92.2)	- - - - - (61.9)	3.2 - 0.4 (76.1)	30.0 6.8 - 1.0	22.5 4.4 69.3 - - (434.9)	- - - - (-35.0)	(60.7) (64.4) (168.6) (133.4) (320.1)	1.2 11.1 14.5	61 1831 484 / 82 /	,
	-14.0	-	-			- - -		-	-	5.0 53.2 85.1 70.5 326.4	- 13.8 61.9 -6.3 (1105.0)	(92.2)	- - - - - (61.9)	3.2 - 0.4 (76.1)	30.0 6.8 - 1.0	22.5 4.4 69.3 - - (434.9)	- - - - (-35.0)	(60.7) (64.4) (168.6) (133.4) (320.1)	1.2 11.1 14.5	61 1831 484 / 82 /	,
	-14.0	-	-		- 32.3	- - -		-	-	5.0 53.2 85.1 70.5 326.4	- 13.8 61.9 -6.3 (1105.0)	(92.2)	- - - - - (61.9)	3.2 - 0.4 (76.1)	30.0 6.8 - 1.0	22.5 4.4 69.3 - - (434.9)	- - - - (-35.0)	(60.7) (64.4) (168.6) (133.4) (320.1)	1.2 11.1 14.5	61 1831 484 / 82 /	

TABLE 2.7 D. System of Nine Accounts, Summary of Transactions, 1965 New Brunswick

			New D	runswick							
				Fin	al expenditu	re on goods	and service	ces, less comp	etitive import	is	
				Capital for		Fede				al public tors	
		Current account inputs of industries	Personal expenditure (including purchases by non-resident tourists)	Gross fixed capital formation	Inventory change	Defence	Civil	Provincial	Municipal	Education	Hospitali- zation
No.		1	1	, , , , , , , , , , , , , , , , , , ,	4		6	71	8	9	10
			1			millions of	dollars				
i	Sales by industries		612.6	242.5	-10.0	11.0	14.9	57.3	13.3	23.1	11.9
2	Primary inputs: Wages, salaries, and SLI	448.2				38.1	35.2	20.9	8.8	38.0	26.7
3	Unincorporated income	89.6									
4	Corporate profit	109.7						14.2	2.9	4.6	1.4
5	Rent and interest	57.4		3		(20.4)	(25.5)	14.3			
41	Net Domestic Product at factor cost (2++5)	(704.9)		- 1	-	(38.1)	(35.2)	(35.2)	(11.7)	(42.6)	(28.1)
	Indirect taxes										
	Municipal	3 14	4 !							-	
8	Provincial	26.3	\$10.3			i					
()	Lederal	1.1	46 5								
	Less Subsidies										
11	Provincial	-0.4				1					
1)	Lederal	-4.8									
1 3	Cipital consumption illowinces	112.6									
14	Gross Domestic Product at market prices (6++13) Non-competitive imports	(879.4) 148.6	(96.8)	-		(38.1)	(35.2)	(35.2)	(11.7)	(42.6)	(28.1)
16	Total primary inputs (14+15)	(1,028.0)	(154.5)			(38.5)	(35.6)	(35.9)			(32.5)
17	Total final expenditure on goods and services, less competitive imports		767.1	242.5	10.0	49.5	50.5	93.2	26.1	67.7	44.4
	1 1 5 7 1 1 20 5			7							
15	Income plus deficit (column 30) of: Households (2+3+33+35)	(11)				381.	35.2	26.6	9.9	39.6	27.3
19	Education (10)		3.3			10.1	.,, -	20.0	9.9	39.0	. 27.3
20	Hospitalization (10)		<u> </u>								
21	Municipal government (7)	y 1 1				1					
,,	Provincial government (8+11+32)	32.5									
24	Federal government (9+12+31) Rest of the world (15+34+36)	26.9	46			1 04	() 4	9.3	2.9	5.0	5.2
						1	(1.4	9.3	2.9	5.0	5.2
' `	Total outlay										
	Capital finance: CCA plus saving	112 r		1	!						
2 '	Total primary (18+ +24+26)	1,028.0	154.5			38.5	35.6	35.9	12.8	44.6	32.5
17	Total (1+27)		767.1	242.5	, 10.0	49,5	50.5	93.2	26.1	67.7	44.4
11				(23	2.5)	(100	0,0)	}	(23	31.4)	
30	Estimated allocation of profit, rent and interest										
	Profits:								1		
+1	Federal tax		-	-	_	_	_				
; ,	Provincial tax			-	-	-	_		_	-	_
14	Remaining in province	36.0		-		-			-	-	-
		38.5	-	-	-	_					
35	Rent and interest:	20.5									
36	Remaining in province Transferred out	28.5 28.9			_	-		5.7	1.1	1.6	0.6
		20.9			_	_	-	8.6	1.8	3.0	0.8

TABLE 2.7 D. System of Nine Accounts, Summary of Transactions, 1965

New Brunswick

										New Bru	inswick										
	Final	expendi	ture on g	goods and	1 services	s, less cor	npetitive	imports													
		Exports				Less: Cor						Ou	tlay plus	saving (row 26)	of			Capital finance:		
oreign oun- tries	Rest of Canada (ex- cluding At- lantic prov- inces)	Nova Scotia	Prince Edward Island	New found- land	Nova Scotia	Prince Edward Island	New found- land	All other sources	Sub-total (2+ +19)	Total primary inputs (1++20)	House- holds	Edu- cation	Hospi- tali- zation	Municipal government	Provin- cial govern- ment	Federal govern- ment	Rest of the world	Total income (2++28)	domes- tic capital forma- tion plus deficits	Total	
11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	No
			1		!	1				millions of	iollars			1	1			1			1
194.9	137.4	32.3	7.8	11.4	-22.5	-5.7	-0.1	-304.1	1,028.0	-											1
	-	-	- - -			-	-	-	167.7 - - 23.2 (190.9)	615.9 89.6 109.7 80.6 (895.8)									1		2 3 4 5 6
- -	_	- - -	-		- - -	-		-	4.1 40.3 46.7 5.7	41.5 66.6 50.1 5.7											8 9 10
- - -	-1.5 - (-1.5)	- - -	- - -	- - -	- - -	-	-		-1.5 - (286.2)	-0.4 -4.8 112.6 1165.6											11 12 13 14
_	(-1.5)	_	_	_	_	-	_	_	(352.9)	215.3								1			15
194.9	135.9	32.3	7.8	11.4	-22.5	-5.7	-0.1	-304.1	1,380.9		767.1	67.7	44.4	26.1	93.2	100.0	49.9		232.5	1,380.9	1.
	1.5	-		-		-	-	-		779.0 3.2 2.5 41.5 73.1 72.1 296.9	9.4 44.8 1.0				11.4 20.7 22.0 13.4 - 0.7 -		13.5	(60.3) (43.3) (59.0) (155.0) (117.2) 297.9	1.1	64.3 161.4 270.5 291.9	
		-	-	-	_	-	-	-	-	112.6	58.4						234.5			405.5	26
-	-1.5	-	-	-	-	-	-	-	-	1,380.9											5.
194.9	135.9	32.3	7.8	11.4	-22.5	-5.7	-0.1	-304.1	1,380.9						1						25
				(49.9)									1						luc s		29
											880.7	67.7	44.4	64.3	161.4	270.5	297,9		405.5		\$11 \$2 \$3 \$4 \$4

TABLE 2.7 E. System of Nine Accounts, Summary of Transactions, 1965
Atlantic Region

			Attant								
					Fina		ure on goo mpetitive	ds and service imports	es,		
				Capital for		Fed			Provinci	al public fors	
		Current account inputs of industries	Personal consumption	Gross fixed capital formation	Inventory change	Defence	Civil	Provincial	Municipal	Education	Hospitali zation
No.		1	2	3	4	5	6	7	8	9	10
.40.						millions o	f dollars				
1	Sales by industries		1,928.9	609.7	-2.0	63.5	83.3	180.2	42.5	65.6	51.
2	Primary inputs: Wages, salaries, and SLI	1,355.0	_	_	_	141.6	131.5	61.0	22.4	119.2	75.
3	Unincorporated income	289.5	_	_	-	-	-	_	-	-	_
4	Corporate profit	380.2	-	_	-	-	-	16.9	7.1	- 14.9	3.
5	Rent and interest	162.7	_	_	_	-		46.8	7.4		
6	Net Domestic Product at factor cost (2+5)	(2,187.4)	_	_	-	(141.6)	(131.5)	(107.8)	(29.8)	(134.1)	(79.
	Indirect taxes:			Į							
7	Municipal	97.7	9.3	_	_	_		-	-	-	-
8	Provincial	77.3 9.9	133.0 148.0	_	_		_	_	_	-	
10	Education and hospital charges	-	18.5	-	_		-		_	Biological	
	Less: Subsidies:										
11	Provincial	-1.1	-	- 1		-	-	-	-	-	-
12	Federal	-36.0	_	_	_	_	_	and a	_	_	-
13	Capital consumption allowances	312.6	- (200.0)			-		- (107.0)			(70
14	Gross Domestic Product at market prices (6++13) . Non-competitive imports	(2,647.8) 336.9	(308.8)		_	(141.6)	(131.5)	(107.8)	(29.8)	(134.1)	(79. 14.
16	Total primary inputs (14+15)			_		143.6	132.8	(111.7)	32.8	141.0	(93
17	Total final expenditure on goods and services, less competitive imports		2,438.8	609.7	-2.0	207.1	216.1	291.9	75.3	206.6	145
	Income plus deficit (column 24) of:										
18	Households (2+3+33+35)	1,870.5	_	_	_	141.6	131.5	78.2	24.9	123.8	77
19	Education (10)		8.8	-	_		_	-	-	_	-
20 21	Hospitalization (10) Municipal government (7)	97.7	9.7	_	_	_	_	_	_	_	
22	Provincial government (8+11+32)	99.9	133.0	_	_	_		_	_	_	-
23	Federal government (9+12+31)	65.5	148.0		_	_		-	-	-	-
24	Rest of the world (15+34+36)	538.5	201.1	_	_	2.0	1.3	33.5	7.9	17.2	16
25	Total outlay										
26	Capital finance: CCA plus saving	312.6	-	-	_	l _	1 _	_		_	1
27	Total primary (18++24+26)	2,984.7	509.9	_	_	143.6	132.8	111.7	32.8	141.0	93
28	Total (1+27)		2,438.8	609.7	-2.0	207.1	216.1	291.9	75.3	206.6	145
29				(60	7.7)		3.2)			8.8)	
30						(12			(/1	0.0)	1
	Estimated allocation of profit, rent and interest:										
31	Profits:	01.									
32	Federal tax Provincial tax	91.6 23.7	_	-	_	-	-	-	-		-
33	Remaining in province	132.8	_	_	_	_		_	_	_	
34	Transferred out	132.1	-	-							
	Rent and interest:										
35		93.2						17.0	2.5	1.0	
36	Transferred out	69.5			_	_		17.2 29.6	2.5	4.6	2
									7,7	10.5	

TABLE 2.7 E. System of Nine Accounts, Summary of Transactions, 1965 Atlantic Region

Fir	al expenditure	e on goods and service	PS			Atlant	ic Region								
	less comp	petitive imports					Outlay plus s	saving (row	/ 26) of						
Exp	orts	Less: Competitive imports		m . 1									Capital finance:		
Foreign countries	Rest of Canada (excluding Atlantic Provinces)	All other sources	Sub-total (2++13)	Total primary inputs (1++14)	House hold	Education	Hospitali- zation	Muni- cipal govern- ment	Provincial government	Federal govern- ment	Rest of the world	Total income (15++22)	Gross domestic capital formation plus deficits	Total	
11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	No.
			1-			millions o	f dollars								140,
602.1	384.3	-1,024.8	2,984.7	-											1
-	- -		551.6	1,906.6											2 3
_	_	-	72.8	380.2 235.5											5
-	-	_	(624.4)	2,811.8											6
_	-	_	9.3	107.0											7
_	_		133.0 148.0	210.3 157.9											8
-	-	_	18.5	18.5											10
_	_	_	_	-1.1											1 11
	-15.5	-	-15.5	-51.5 312.6											12
_	-15.5		(917.7)	(3,565.5)											14
-	-	_	232.2	569.1											15
-	-15.5	_	(1,149.9)	4,134.6											16
602.1	368.8	-1,024.8	4,134.6		2,438.8	206.6	145.0	75.3	291.9	423.2	-53.9		607.7	4,134.6	17
_		_	_	2,447.5	_	_		8.3	47.8	235.5	45.2	(2,784.3)		2,784.3	18
-	_	-	-	8.8	-	_	-	74.3	91.1	13.6	-	(187.8)		206.6	1
	_	_		9.7	_	_	_	3.9	71.2	55.8 9.2	_	(140.6) (141.4)		145.0 162.5	
_		_	_	232.9	30.6	-	-	0.4	-	235.4	-	(499.3) (343.3)	31.8 629.4	531.1 972.7	
_	-15.5		_	198.0 818.1	141.1 -9.1		_	0.3	3.9	-	_	809.0	-	809.0	
					(2,601.4)	(206.6)	(145.0)	(162.5)	(531.1)	(972.7)	(-8.7)			-	25
-	_	_	-	312.6	182.9	-	-	-	_	_	817.7	-	-	1,313.2	26
-	-15.5	-	-	4,134.6											27
602.1	368.8	-1,024.8	4,134.6												28
	(-53.9)														29
					2,784.3	206.6	145 0	162.5	531.1	972.7	809.0		1,313.2		30
							1								
								1							31
				1	1										33
				1	I	1	;			1	,				35 36
	1		L		1	1	L		L .	1	L	1	L		L

TABLE 2.8A. System of Nine Accounts, Nova Scotia, 1965 Production Account – Industries

Item No.	Dr. Primary inputs	Millions of dollars	Item No.	Cr. Receipts from final sales less total competitive imports	Millions of dollars
1	Wages, salaries and SLI – To house-holds (71)	539.5		Receipts from sales of goods and services to:	
			29	Households (52)	820.7
2	Unincorporated income – To house- holds (77)	122.3	30	Of which purchased by non-resident tourists (53, 196)	(21.3)
3	Rent and interest	(61.5)	31	Education (schools, colleges, universi-	
4	To households (79)	44.6	31	ties) (91)	28.6
5	To rest of the world (218)	16.9	32	Hospitalization (105)	24.0
6	Corporate profits	(143.2)	33	Municipal governments (excluding purchases related to hospitals or education) (119)	17.0
7	To federal government (181)	33.2	34	Provincial government (excluding pur- chases related to hospitals or educa-	
8	To provincial government (158)	7.8		tion) (141)	54.7
Ü	Profit after tax:		35	Federal government (excluding purchases related to federal hospitals, shared cost programmes, etc.) (166)	82.4
9	To households (84)	60.3	36	Industries (226)	(212.4)
10	To rest of the world (218)	41.9	37		207.7
			38	Gross fixed capital formation (224)	
11	Factor income $(1+2+3+6)$	866.5		Inventory cannge (225)	4.7
			39	Rest of the world exports (40 + + 45) (189)	(392.6)
12	Indirect taxes	(80.2)		To:	
13	To municipal government (134)	49.9	40	Foreign countries (190)	137.6
14	To provincial government (156)	27.3	41	Nova Scotia (191)	_
15	To federal government (179)	3.0	42	New Brunswick (192)	30.1
16	Less: Subsidies	(- 14.6)	43	Prince Edward Island (193)	12.8
17	From provincial government (157)	- 0.4	44	Newfoundland (194)	22.1
18	From federal government (180)	- 14.2	45	Rest of Canada (195)	190.0
19	Capital consumption allowances (228)	117.6	46	Less competitive imports (47 + + 51) (201)	(- 435.9)
				From:	
20	Gross Domestic Product at mar-		47	Nova Scotia (202)	_
	ket prices originating (11 + 12 + 16 + 19)	1,049.7	48	New Brunswick (203)	- 32.3
			49	Prince Edward Island (204)	- 12.5
21	Non-competitive imports (208)	146.8	50	Newfoundland (205)	- 7.5
			51	Rest of Canada and foreign countries (206)	- 383.6
22	Total primery inputs (20 + 21)	1,196.5		Total final sales less total competitive imports (29 + 31 + 26 + 39 + 46)	1,196.5

TABLE 2.8B. System of Nine Accounts, Nova Scotia, 1965 Income and Outlay Account — Households

Item No.	Dr. Outlay	Millions of dollars	Item No.	Cr. Income	Millions of dollars
52	Consumer goods and services from industries (29)	820.7	70	Wages, salaries and SLI, and military pay	809.9
53	Of which purchased by non-resident tourists (30, 196)	21.3	71	From: Industries (1)	539.5
54	Indirect taxes	(124.9)	72	Education (92)	53.9
	To:		73	Hospitalization (106)	30.4
55	Education (private payments for schools, etc.) (98)	3.7	74	Municipal governments (120)	10.1
F.(75	Provincial government (142)	20.0
56	Hospitalization (private payments for services) (112)	5.0	76	Federal government (167)	156.0
57	Municipal Governments (135)	3.3	77	Unincorporated income – from industries	122.3
58 59	Provincial Government (160)	50.4	78	Rent and interest	(56.7)
				From:	
60	Non-competitive imports (209)	90.0	79	Industries (4)	44.6
61	Total personal consumption before ad-		80	Education (94)	3.0
	justment (52 + 54 + 60)	1,035.6	81	Hospitals (108)	0.5
62	Less purchase by non-resident tourists (53)	- 21.3	82	Municipal governments (122)	1.4
			83	Provincial government (144)	7.2
63	Add resident tourist expenditure out of province (215)	15.0	84	Corporate profits after tax - from industries (9)	60.3
64	Total personal consumption (61 + 62 + 63)	1,029.3	85	Income earned in domestic production (70 + 77 + 78 + 84)	1,049.2
	Income tax:				(4.00.4)
	To:		86	Transfers received	(133.5)
65	Provincial government (161)	13.8		From:	
66	Federal government (184)	61.9	87	Municipal governments (127)	4.0
			88	Provincial government (149)	14.1
67	Total outlay (64 + 65 + 66)	1,105.0	89	Federal government (171)	93.1
68	Personal saving (including retained earnings of locally controlled business) (227)	77.7	90	Rest of the world (remittances, gifts and miscellaneous property incomes) (198)	22.3
69	Total outlay and saving (67 + 68)	1,182.7	91	Total income (85 + 86)	1,182.7

TABLE 2.8C. System of Nine Accounts, Nova Scotia, 1965 Income and Outlay Account — Education

Item No.	Dr. Outlay	Millions of dollars	Item No.	Cr. Income	Millions of dollars
1,10.					
91	Goods and services purchased from industries (31)	28.6	98	Indirect taxes from households (fees, etc.) (55) Transfers received from: Municipal governments (128)	3.7
92	Wages, salaries and SLI - Households (72)	53.9	100	School boards	34.5
93	Interest	(6.6)	101	Provincial government (150)	(36.9) 27.3 8.9 0.7
94 95	To: Households (80)	3.0 3.6	102	Federal government (172) Vocational grants University grants Grants to school boards	(5.1) 2.5 1.5
96	Non-competitive imports (210)	3.1	103	Total income (98 + 100 + 101 + 102)	83.1
			104	Deficit (+) or surplus (-) (230)	+ 9.1
97 97	Total outlay (equal to expenditure on goods and services)	92.2		Total income and net borrowing (103 + 104)	92.2

TABLE 2.8D. System of Nine Accounts, Nova Scotia, 1965 Income and Outlay Account — Hospitalization

Item No.	Dr. Outlay Millions of dollars Item No. Cr. Income		Millions of dollars		
105	Goods and services purchased from industries (32)	24.0	112	Indirect taxes from households (fees, etc.) (56) Transfers received from:	5.0
106	Wages, salaries and SLI - To households (73)	30.4	114	Municipal governments (129)	(30.0)
107	Interest	(2.0)		Provincial share of hospital services Cost of provincially-operated hospitals Construction grants Other	15.1 13.9 1.0
108 109	Households (81) Rest of the world (220)	0.5 1.5	116	Federal government (173) Federal share of hospital services Construction grants Cost of (federal) veterans' hospitals	(22.5) 18.1 0.8 3.6
110	Non-competitive imports (211)	5.5	117	Total income (112 + 114 + 115 + 116)	60.7
			118	Deficit (+) or surplus (-)	+1.2
111	Total outlay (equals total expenditure on goods and services)	61.9		Total income and net borrowing (117 + 118)	61.9

TABLE 2.8E. System of Nine Accounts, Nova Scotia, 1965 Income and Outlay Account – Municipal Governments

Item No.	Dr. Outlay	Millions of dollars	Item No.	Cr. Income	Millions of dollars
119 120 121 122 123 124 125	Goods and services purchased from industries (33) Wages, salaries and SLI – To households (74) Interest To: Households (82) Rest of the world (221) Non-competitive imports (212) Total expenditure on goods and services (119 + 120 + 121 + 124)	17.0 10.1 (3.0) 1.4 1.6 1.0	133 134 135 136 137 138	Indirect taxes Industries (including all residential property taxes) (13) Households (licences, fees, etc.) (57) Transfers received Provincial government (152) Federal government (174)	(53.2) 49.9 3.3 (11.2) 6.8 4.4
126 127 128 129 130 131	Transfers paid (127 + + 131 Households (87) Education (100) Hospitalization (114) Provincial government (162) Federal government (186) Total outlay (125 + 126)	(45.0) 4.0 37.4 3.2 0.4 -	139	Total income (133 + 136) Deficit (+) or surplus (-) Total income and net borrowing (139 + 140)	64.4

TABLE 2.8F. System of Nine Accounts, Nova Scotia, 1965 Income and Outlay Account — Provincial Government

Item No.	Dr. Outlay	Millions of dollars	Item No.	Cr. Income	Millions of dollars
141	Goods and services purchased from			Receipts from:	
	industries (34)	54.7	155	Industries	(34.7)
142	Wages, salaries and SLI – To households (75)	20.0	156 157 158	Indirect taxes (14) Less: Subsidies (17) Corporate income tax (8)	27.3 - 0.4 7.8
143	Interest	(18.2)	159	Households	(64.2)
144 145	Households (83)	7.2 11.0	160 161	Indirect taxes (58) Personal income tax (65)	50.4 13.8
146	Non-competitive imports (213)	1.4	162	Municipal governments (130)	0.4
147	Total expenditure on goods and services (141 + 142 + 143 + 146) Transfers paid (149 + 150 + 151 + 152 +	94.3	163	Federal government (175) Tax equalization Succession duties Atlantic provinces subsidy Statutory subsidies	(69.3) 36.6 0.2 10.5 2.1
140	153)	(88.88)		Tax rental adjustment Public utility income tax rebate.	0.4 0.7
149 150	Households (88) Education (101)	14.1 36.9		Shared cost programmes	18.8
151 152 153	Hospitalization (115)	30.0 6.8 1.0	164	Total income (155 + 159 + 162 + 163)	168.6
	Tables Boronniont (100)	1,0	165	Deficit (+) or surplus (-) (233)	14.5
154	Total outlay (147 + 148)	183.1		Total income and net borrowing (164 + 165)	183.1

TABLE 2.8G. System of Nine Accounts, Nova Scotia, 1965
Income and Outlay Account — Federal Government

Item No.	Dr. Outlay	Millions of dollars	Item No.	Cr. Income	Millions of dollars
166	Goods and services purchased from industries (35)	82.4	178 179	Receipts from: Industries	(22.0) 3.0
	holds (76)	156.0	180 181	Less: Subsidies (18)	- 14.2 33.2
168 169	Non-competitive imports (214) Total expenditure on goods and	2.1	182 183 184	Households	(124.4) 62.5 61.9
	services (166 + 167 + 168)	240.5	185	Provincial government (153)	1.0
170 171 172 173 174	Transfers paid to: (171 + + 176) Households (89) Education (102) Hospitalization (116) Municipal governments (138)	(208.4) 93.1 5.1 22.5 4.4	186	Municipal government (131) Total income (178 + 182 + 185 + 186)	147.4
175 176	Provincial government (163) Rest of the world (subsidy on coal exports to Central Canada) (223)	69.3	188	Excess of federal government spending over federal government receipts (235)	301.5
177	Total outlay (169 + 170)	448.9		Total income plus net federal government fiscal transfer to the province (187 + 188)	448.9

TABLE 2.8H. System of Nine Accounts, Nova Scotia, 1965 Income and Outlay Account — Rest of the World

Note: All transactions non-resident to the province, except for Federal Government.

Item	Dr. Payments of non-resident transactors (receipts of the province)	Millions of dollars	Item No.	Cr. Receipts of non-resident transactors (payments by the province)	Millions of dollars
189	Payments to industries: Exports of goods and services (39)	(392.6)	201	Receipts from sale of: Competitive imports to industries (202 + + 206) (46)	(435.9)
190 191 192 193 194 195	To: Foreign countries (40) Nova Scotia (41) New Brunswick (42) Prince Edward Island (43) Newfoundland (44) Rest of Canada (45) Payments to households:	137.6 30.1 12.8 22.1 190.0	202 203 204 205 206 207	Origin Nova Scotia (47) New Brunswick (48) Prince Edward Island (49) Newfoundland (50) All other (51) Non-competitive imports (208 + + 214)	32.3 12.5 7.5 383.6 (249.9)
196	Purchases by non-resident tourists routed through household account (30, 53)	21.3	208 209 210	To: Industries (21) Households (60) Education (96) Hospitalization (110)	146.8 90.0 3.1 5.5
197	Total exports (189 + 196)	413.9	211 212 213 214	Municipal governments (124)	1.0 1.4 2.1
	gifts and miscellaneous property income) (90)	22.3	215	Tourist expenditures by households out of province (63)	15.0
199	Deficit of the province on current transactions with rest of the world (234)	355.1	216	Total imports (201 + 207 + 215) Remittable and remitted profit and interest	700.8 (76.5)
			218 219 220 221 222	Received from: Industries (5 + 10) Education (95) Hospitalization (109) Municipal governments (123) Provincial government (145)	58.8 3.6 1.5 1.6 11.0
			223	Subsidy from federal government on coal exports to Central Canada (176)	14.0
200	Total (197 + 198 + 199)	791.3		Total (216 + 217 + 223)	791.3

TABLE 2.81. System of Nine Accounts, Nova Scotia, 1965 Consolidated Capital Finance Account

Item No.	Dr. Disposition	Millions of dollars	Item No.	Cr. Source	Millions of dollars
224	Industries: Gross fixed capital formation (37)	207.2	227	Personal saving (including retained earnings of locally-controlled business) (68)	77.7
225	Inventory change (38)	4.7	228	Capital consumption allowances – Industries (19)	117.6
			229	Deficit (-) or surplus (+) of provincial public sectors (230 + + 233)	(- 36.5)
			230	Education (104)	- 9.1
				Hospitalization (118)	- 1.2
			232	Municipal governments (140)	- 11.7
			233	Provincial government (165)	- 14.5
			234	Deficit of the province on current transactions with rest of the world (199)	355.1
			235	Deduct: Excess of federal government spending over federal government re-	
			236	ceipts (188)	- 301.5
			230	Net capital inflow from "rest of the world" not covered by federal government transfers (234-235)	(53.6)
226	Gross domestic capital formation (224 + 225) (36)	212.4		Finance of gross domestic capital formation (227 + + 235)	212.4

TABLE 2.9A. System of Nine Accounts, 1965 Production Account – Industries

Item No.		New- foundland	Prince Edward Island	Nova Scotia	New Brunswick		
			millions of o				
1 2	Wages, salaries and SLI — To households (71)	322.4 44.3	44.9 33.1	539.5 122.3	448.2 89.6		
3	Rent and interest To:	(37.1)	(6.7)	(61.5)	(57.4)		
4 5	Households (79)	17.1 20.0	3.0	44.6 16.9	28.5 28.9		
6	Corporate profits	(113.5)	(13.8)	(143.2)	(109.7)		
7 8	To: Federal government (181) Provincial government (158) Profit after tax:	26.6	3.5	33.2 7.8	28.3 6.9		
9	To: Households (84) Rest of the world (218)	28.9 49.9	7.6	60.3	36.0 38.5		
11	Factor income (1 + 2 + 2 + 6)	517.3	98.5	866.5	704.9		
12	Indirect taxes	(29.3)	(8.3)	(80.2)	(67.1)		
13 14 15	Municipal governments (134) Provincial governments (156) Federal governments (179)	6.6 19.9 2.8	3.8 3.8 0.7	49.9 27.3 3.0	37.4 26.3 3.4		
16	Less: Subsidies From:	(-13.7)	(- 3.6)	(- 14.6)	(- 5.2)		
17 18	Provincial government (147)	- 0.1 - 13.6	- 0.2 - 3.4	- 0.4 - 14.2	- 0.4 - 4.8		
19 20	Capital consumption allowances (228)	65.7	16.7	117.6	112.6		
	19)	598.6	119.9	1,049.7 146.8	879.4		
21 22	Non-competitive imports (208) Total primary inputs (20 + 21)	658.5	139.3	1,196.5	148.6 1,028.0		
		Primary inputs aggregated by sector or account of destination					
23 24 25 26 27 28	To: Households (1+2+4+9) Municipal governments (13) Provincial government (8+14+17) Federal government (7+15+18) Rest of the world (5+10+21) Capital finance account (19) Total primary inputs	412.7 6.6 27.9 15.8 129.8 65.7 658.5	88.6 3.8 4.5 0.8 24.9 16.7	766.7 49.9 34.7 22.0 205.6 117.6	602.3 37.4 32.8 26.9 216.0 112.6 1,028.0		
		Cr. Receipts from final sales less total competitive imports					
29 30 31 32	Receipts from sales of goods and services to: Households (52) Of which purchased by non-resident tourists (53, 196) Education (schools, colleges, universities) (91) Hospitalization (105)	385.6 (2.8) 11.4 13.5	99.9 (8.0) 2.3 1.9	820.7 (21.3) 28.6 24.0	612.6 (19.0) 23.1 11.9		
33	Municipal governments (excluding purchases related to hospitals or education) (141) Provincial government (excluding purchases related to hospitals or	10.5	1.6	17.0	13.3		
35	education) (141) Federal government (excluding purchases related to federal hospitals,	53.0	15.1	54.7	57.3		
36 37 38	shared cost programmes, etc. J. (166) Industries (226) Gross fixed capital formation (224) Inventory change (225)	28.7 (134.2) 128.6 5.6	8.8 (28.6) 30.9 - 2.3	82.4 (212.4) 207.7 4.7	25.9 (232.5) 242.5 - 10.0		
39	Rest of the world: Exports (189)	(311.0)	(48.2)	(392.6)	(383.8)		
40	To: Foreign countries (190)	259.3	10.2	137.6	194.9		
41 42 43 44 45	Nova Scotia (191) New Brunswick (192) Prince Edward Island (193) Newfoundland (194) Rest of Canada (195)	0.1 42.3	5.7 - 5.1 14.7	30.1 12.8 22.1 190.0	32.3 7.8 11.4 137.4		
45	Rest of Canada (195) Less competitive imports (201)	(- 289.4)	(- 67.1)	(- 435.9)	(- 332.4)		
47 48 49 50	From: Nova Scotia (202) New Brunswick (203) Prince Edward Island (204) Newfoundland (205)	20.8 - 11.1 - 5.1 - 252.4	- 4.8 - 7.8 54.5	- 32.3 - 12.5 - 7.5 - 383.6	- 22.5 - 5.7 - 0.1 - 304.1		
51	Rest of Canada and foreign countries Total final sales less total competitive imports (29 + 31 + 36 + 39 + 46)	658.5	139.3	1,196.5	1,028.0		

TABLE 2.9B. System of Nine Accounts, 1965 Income and Outlay Account — Households

Item		New- foundland	Prince Edward Island	Nova Scotia	New Brunswick
No.			millions o		
52	Consumer goods and services from industries (29)	385.6	99.9	820.7	612.6
53	Of which purchased by non-resident toursits (30, 196)	(2.8)	(8.0)	(21.3)	(19.0)
54	Indirect taxes	(68.3)	(18.9)	(124.9)	(96.8)
55 56 57 58 59	To: Education (private payments for schools, etc.) (98) Hospitalization (private payments for services) (112) Municipal governments (135) Provincial government (160) Federal government (183)	1.5 1.8 1.4 33.6 30.0	0.4 0.4 0.5 8.8 8.8	3.7 5.0 3.3 50.4 62.5	3.2 2.5 4.1 40.3 46.7
60	Non-competitive imports (209)	52.9	10.5	90.0	57.7
61	Total personal consumption before adjustment (52 + 54 + 60)	(506.8)	(129.3)	(1,035.6)	(767.1)
62	Less purchased by non-resident toursits (53)	- 2.8	- 8.0	- 21.3	- 19.0
63	Add resident tourist expenditure out of province (215)	5.0	2.0	15.0	20.0
64	Total personal consumption (61 + 62 + 63)	509.0	123.3	1,029.3	768.1
	Income tax:				
	To:	6.2	1.2	13.8	9.4
65 66	Provincial government (161) Federal government (184)	28.8	5.6	61.9	44.8
67	Total outlay (64 + 65 + 66)	544.0	130.1	1,105.0	822.3
68	Personal saving (including retained earnings of locally controlled business) (227)	38.0	8.7	77.7	58.4
69	Total outlay and saving (67 + 68)	582.0	138.8	1,182.7	880.7
			Cr. Ir	icome	
70	Wages, salaries and SLI, and military pay	(408.1)	(72.8)	(809.9)	(615.9)
71 72 73 74 75 76	Industries (1) Education (92) Hospitalization (106) Municipal governments (120) Provincial government (142) Federal government (167)	322.4 21.8 15.7 2.8 16.5 28.9	44.9 5.5 3.1 0.8 3.7 14.8	539.5 53.9 30.4 10.1 20.0 156.0	448.2 38.0 26.7 8.8 20.9 73.3
77	Unincorporated income – From industries	44.3	33.1	122.3	89.6
78	Rent and interest	(20.4)	(4.0)	(56.7)	(37.5)
79 80 81 82 83	Industries (4) Education (94) Hospitals (108) Municipal governments Provincial government (144)	17.1	3.0 - - - 1.0	44.6 3.0 0.5 1.4 7.2	28.5 1.6 0.6 1.1 5.7
84	Corporate profits after tax - From industries (9)	28.9			
85	Income earned in domestic production (70 + 77 + 78 + 84)	(501,7)	(117.5)	60.3 (1,049.2)	36.0 (779.0)
86	Transfers received				
	From:	(80.3)	(21.3)	(133.5)	(101.7)
87 88 89 90	Municipal governments (127) Provincial government (149) Federal government (171) Rest of the world (remittances, gifts and miscellaneous property in	19.8 54.1	0.1 2.5 15.7	4.0 14.1 93.1	4.2 11.4 72.6
	comes) (198)	6.4	3.0	22.3	13.5
	Total income (85 + 86)	582.0	138.8	1,182.7	880.7

TABLE 2.9 C. System of Nine Accounts, 1965 Income and Outlay Account – Education

-	Income and Outlay Account – Ed	ducation	Prince		
Item No.		New- foundland	Edward Island	Nova Scotia	New Brunswick
			millions of dollars Dr. Outlay		
			Dr. U	utiay	
91	Goods and services purchased from industries (31)	11.4	2.3	28.6	23.1
92	Wages, salaries and SLI – To households (72)	21.8	5.5	53.9	38.0
93	Interest	(2.8)	(0.9)	(6.6)	(4.6)
	То:				
94	Households (80)	-	-	3.0	1.6
95	Rest of the world (219)	2.8	0.9	3.6	3.0
96	Non-competitive imports (210)	1.5	0.6	3.1	2.0
97	Total outlay (equals total expenditure on goods and services)	37.5	9.3	92.2	67.7
			Cr. Ir	ncome	
98	Indirect taxes from households (fees, etc.) (55)	1.5	0.4	3.7	3.2
99	Transfers received from:				
100	Municipal governments (128)	(0.7)	(3.0)	(37.4)	(33.2)
	School boards	0.7	2.6	34.5	31.3
	Debt payment	-	0.4	2.9	1.9
101	Provincial government (150)	(28.6)	(4.9)	(36.9)	(20.7)
	School boards	24.0	4.4	27.3	12.6
	Vocational schools and universities	4.1	0.4	8.9	7.9
	Other	0.5	0.1	0.7	0.2
102	Federal government (172)	(4.7)	(0.6)	(5.1)	(3.2)
	Vocational grants	3.7	0.3	2.5	1.8
	University grants	1.0	0.3	1.5	1.2
	Grants to school boards			1.1	0.2
103	Total income (98 + 100 + 101 + 102)	35.5	8.9	83.1	60.3
104	Deficit (+) or surplus (-) (230)	+ 2.0	+ 0.4	+ 9.1	+ 7.4
	Total income and net borrowing (103 + 104)	37.5	9.3	92.2	67.7

TABLE 2.9D. System of Nine Accounts, 1965 Income and Outlay Account — Hospitalization

Item No.		New- foundland	Prince Edward Island	Nova Scotia	New Brunswick
140.			millions of Dr. Ou		
105	Goods and services purchased from industries (32)	13.5	1.9	24.0	11.9
106	Wages, salaries and SLI – To households (73)	15.7	3.1	30.4	26.7
107	Interest	(0.1)	(0.1)	(2.0)	(1.4)
	То:				
108	Households (81)	-	-	0.5	0.6
109	Rest of the world (220)	0.1	0.1	1.5	0.8
110	Non-competitive imports (211)	3.1	1.0	5.5	4.4
111	Total outlay (equals total expenditure on goods and services)	32.4	6.1	61.9	44.4
			Cr. Inc	ome	
112	Indirect taxes from households (fees, etc.) (56)	1.8	0.4	5.0	2.5
113	Transfers received from:				
114	Municipal governments (129)	-		3.2	0.7
115	Provincial government (151)	(16.3)	(2.9)	(30.0)	(22.0)
	Provincial share of hospital services	9.0	1.6	15.1	13.8
	Cost of provincially-operated hospitals	5.3	1.2	13.9	6.3
	Construction grants	2.0	0.1	1.0	0.2
	Other	_	-		1.7
116	Federal government (173)	(12.6)	(2.6)	(22.5)	(18.1)
	Federal share of hospital services	11.6	2.4	18.1	14.9
	Construction grants	1.0	0.2	0.8	0.2
	Cost of (federal) veterans' hospitals		-	3.6	3.0
117	Total income (112 + 114 + 115 + 116)	30.7	5.9	60.7	43.3
118	Deficit (+) or surplus (-) (231)	+1.7	+0.2	+1.2	+1.1
	Total income and net borrowing (117 + 118)	32.4	6.1	61.9	44.4

TABLE 2.9E. System of Nine Accounts, 1965 Income and Outlay Account — Municipal Government

Item No.		New- foundland	Prince Edward Island	Nova Scotia	New Brunswick		
			millions of dollars				
			Dr. Ou	tlay			
119	Goods and services purchased from industries (33)	10.5	1.6	17.0	13.3		
120	Wages, salaries and SLI - To households (74)	2.0	0.8	10.1	8.8		
121	Interest	(1.1)	(0.5)	(3.0)	(2.9)		
	To:						
122	Households (82)	-	-	1.4	1.1		
123	Rest of the world (221)	1.1	0.5	1.6	1.8		
124	Non-competitive imports (212)	0.6	0.4	1.0	1.1		
125	Total expenditure on goods and services (119 + 120 + 121 + 124)	15.0	(3.3)	(31.1)	26.1		
126	Transfers paid to	(0.9)	(3.1)	(45.0)	(38.2)		
127	Households (87)		0.1	4.0	4.2		
128	Education (100)	0.7	3.0	37.4	33.2		
129	Hospitalization (114)	-	• • •	3.2	0.7		
130	Provincial government (162)			0.4	_		
131	Federal government (186)	0.2		_	0.1		
132	Total outlay (125 + 126)	15.9	6.4	76.1	64.3		
			Cr. Inc	ome			
133	Indirect taxes	(8.0)	(4.3)	(53.2)	(41.5)		
134	Industries (including all residential property taxes) (13)	6.6	3.8	49.9	37.4		
135	Households (licenses, fees, etc.) (57)	1.4,	0.5	3.3	4.1		
136	Transfers received	(4.5)	(1.2)	(11.2)	(17.5)		
137	Provincial government (152)	4.0	1.0	6.8	13.4		
138	Federal government (174)	0.5	0.2	4.4	4.1		
139	Total income (133 + 136)	12.5	5.5	64.4	59.0		
140	Deficit (+) or surplus (-) (232)	+ 3.4	+ 0.9	+11.7	+ 5.3		
	Total income and net borrowing (139 + 140)	15.9	6.4	76.1	64.3		

TABLE 2.9 F. System of Nine Accounts, 1965 Income and Outlay Account — Provincial Government

Item		New- foundland	Prince Edward Island	Nova Scotia	New Brunswick
No.				of dollars Outlay	.1
			22.		
141	Goods and services purchased from industries (34)	53.0	15.1	54.7	57.3
142	Wages, salaries and SLI – To households (75)	16.5	3.7	20.0	20.9
		(11.2)	(3.0)	(18.2)	14.3)
143	Interest	(11.2)	(5.0)	(10.2)	14.5)
144	Households (83)	3.3	1.0	7.2	5.7
145	Rest of the world (222)	7.9	2.0	11.0	8.6
146	Non-competitive imports (213)	1.5	0.5	1.4	0.7
1.45	Total expenditure on goods and services (141 + 142 + 143 + 146)	82.2	22.3	94.3	93.2
147	Total expenditure on goods and services (141 + 142 + 143 + 140)	02.2	2210		
148	Transfers paid (149 + 153)	(70.7)	(11.5)	(88.8)	(68.2)
149	To: Households (88)	19.8	2.5	14.1	11.4
150	Education (101)	28.6	4.9	36.9	20.7
151	Hospitalization (115)	16.3	2.9	30.0	22.0
152	Municipal governments (137)	4.0	1.0	6.8	13.4
153	Federal government (185)	2.0	0.2	1.0	0.7
154	Total outlay (147 + 148)	152.9	33.8	183.1	161.4
			Cr. In	come	
	Receipts from:				
1.5.5					
155	Industries	(27.9)	(4.5)	(34.7)	(32.7)
156	Indirect taxes (14)	19.9	3.8	27.3	26.3
157		-0.1	-0.2	-0.4	-0.4
158	Corporate income tax (8)	8.1	0.9	7.8	6.8
158 159	Corporate income tax (8)	8.1 (39.8)	0.9 (10.0)	7.8 (64.2)	6.8 (49.8)
158 159 160	Corporate income tax (8) Households Indirect taxes (58)	8.1 (39.8) 33.6	0.9 (10.0) 8.8	7.8 (64.2) 50.4	6.8 (49.8) 40.3
158 159 160 161	Corporate income tax (8) Households Indirect taxes (58) Personal income tax (65)	8.1 (39.8)	0.9 (10.0)	7.8 (64.2)	6.8 (49.8)
158 159 160	Corporate income tax (8) Households Indirect taxes (58) Personal income tax (65) Municipal governments (130)	8.1 (39.8) 33.6	0.9 (10.0) 8.8	7.8 (64.2) 50.4	6.8 (49.8) 40.3
158 159 160 161	Corporate income tax (8) Households Indirect taxes (58) Personal income tax (65) Municipal governments (130) Federal government (175)	8.1 (39.8) 33.6 6.2	0.9 (10.0) 8.8 1.2	7.8 (64.2) 50.4 13.8	6.8 (49.8) 40.3
158 159 160 161	Corporate income tax (8) Households Indirect taxes (58) Personal income tax (65) Municipal governments (130) Federal government (175) Tax equalization	8.1 (39.8) 33.6 6.2	0.9 (10.0) 8.8 1.2	7.8 (64.2) 50.4 13.8 0.4	6.8 (49.8) 40.3 9.5
158 159 160 161	Corporate income tax (8) Households Indirect taxes (58) Personal income tax (65) Municipal governments (130) Federal government (175) Tax equalization Succession duties	8.1 (39.8) 33.6 6.2 	0.9 (10.0) 8.8 1.2 (15.6)	7.8 (64.2) 50.4 13.8 0.4 (69.3)	6.8 (49.8) 40.3 9.5 - (72.5)
158 159 160 161	Corporate income tax (8) Households Indirect taxes (58) Personal income tax (65) Municipal governments (130) Federal government (175) Tax equalization Succession duties Atlantic Provinces subsidy	(39.8) 33.6 6.2 (78.0) 22.0	0.9 (10.0) 8.8 1.2 (15.6) 6.0	7.8 (64.2) 50.4 13.8 0.4 (69.3) 36.6	6.8 (49.8) 40.3 9.5 - (72.5) 29.8
158 159 160 161	Corporate income tax (8) Households Indirect taxes (58) Personal income tax (65) Municipal governments (130) Federal government (175) Tax equalization Succession duties Atlantic Provinces subsidy Statutory subsidies	(39.8) 33.6 6.2 (78.0) 22.0	0.9 (10.0) 8.8 1.2 (15.6) 6.0 0.2	7.8 (64.2) 50.4 13.8 0.4 (69.3) 36.6 0.2	6.8 (49.8) 40.3 9.5 - (72.5) 29.8 2.5
158 159 160 161	Corporate income tax (8) Households Indirect taxes (58) Personal income tax (65) Municipal governments (130) Federal government (175) Tax equalization Succession duties Atlantic Provinces subsidy Statutory subsidies Tax rental adjustment	(39.8) 33.6 6.2 (78.0) 22.0 1.1 10.5 9.7 0.2	0.9 (10.0) 8.8 1.2 (15.6) 6.0 0.2 3.5	7.8 (64.2) 50.4 13.8 0.4 (69.3) 36.6 0.2 10.5	6.8 (49.8) 40.3 9.5 - (72.5) 29.8 2.5 10.5 1.8 0.3
158 159 160 161	Corporate income tax (8) Households Indirect taxes (58) Personal income tax (65) Municipal governments (130) Federal government (175) Tax equalization Succession duties Atlantic Provinces subsidy Statutory subsidies Tax rental adjustment Public utility income tax rebate	(39.8) 33.6 6.2 (78.0) 22.0 1.1 10.5 9.7 0.2 0.3	0.9 (10.0) 8.8 1.2 (15.6) 6.0 0.2 3.5 0.7	7.8 (64.2) 50.4 13.8 0.4 (69.3) 36.6 0.2 10.5 2.1	6.8 (49.8) 40.3 9.5 - (72.5) 29.8 2.5 10.5 1.8
158 159 160 161 162 163	Corporate income tax (8) Households Indirect taxes (58) Personal income tax (65) Municipal governments (130) Federal government (175) Tax equalization Succession duties Atlantic Provinces subsidy Statutory subsidies Tax rental adjustment Public utility income tax rebate Shared cost programmes	(39.8) 33.6 6.2 (78.0) 22.0 1.1 10.5 9.7 0.2	0.9 (10.0) 8.8 1.2 (15.6) 6.0 0.2 3.5 0.7	7.8 (64.2) 50.4 13.8 0.4 (69.3) 36.6 0.2 10.5 2.1 0.4	6.8 (49.8) 40.3 9.5 - (72.5) 29.8 2.5 10.5 1.8 0.3
158 159 160 161	Corporate income tax (8) Households Indirect taxes (58) Personal income tax (65) Municipal governments (130) Federal government (175) Tax equalization Succession duties Atlantic Provinces subsidy Statutory subsidies Tax rental adjustment Public utility income tax rebate	(39.8) 33.6 6.2 (78.0) 22.0 1.1 10.5 9.7 0.2 0.3	0.9 (10.0) 8.8 1.2 (15.6) 6.0 0.2 3.5 0.7 0.1	7.8 (64.2) 50.4 13.8 0.4 (69.3) 36.6 0.2 10.5 2.1 0.4 0.7	(49.8) 40.3 9.5 - (72.5) 29.8 2.5 10.5 1.8
158 159 160 161 162 163	Corporate income tax (8) Households Indirect taxes (58) Personal income tax (65) Municipal governments (130) Federal government (175) Tax equalization Succession duties Atlantic Provinces subsidy Statutory subsidies Tax rental adjustment Public utility income tax rebate Shared cost programmes	8.1 (39.8) 33.6 6.2 (78.0) 22.0 1.1 10.5 9.7 0.2 0.3 34.2	0.9 (10.0) 8.8 1.2 (15.6) 6.0 0.2 3.5 0.7 0.1 5.1	7.8 (64.2) 50.4 13.8 0.4 (69.3) 36.6 0.2 10.5 2.1 0.4 0.7 18.8	6.8 (49.8) 40.3 9.5 - (72.5) 29.8 2.5 10.5 1.8 0.3

TABLE 2.9G. System of Nine Accounts, 1965 Income and Outlay Account — Federal Government

Item No.		New- foundland	Prince Edward Island	Nova Scotia	New Brunswick
			millions of	dollars	<u> </u>
	,		Dr. Out	lay	
166	Goods and services purchased from industries (35)	28.7	8.8	82.4	25.9
167	Wages, salaries and SLI - To households (76)	28.9	14.8	156.0	73.3
168	Non-competitive imports (214)	0.5	1.0	2.1	0.8
169	Total expenditure on goods and services (166 + 167 + 168)	58.1	24.6	240.5	100.0
170	Transfers paid to	(149.9)	(34.7)	(208.4)	(172.0)
171	Households (89)	54.1	15.7	93.1	72.6
172	Education (102)	4.7	0.6	5.1	3.2
173	Hospitalization (116)	12.6	2.6	22.5	18.1
174	Municipal governments (138)	0.5	0.2	4.4	4.1
175	Provincial governments (163)	78.0	15.6	69.3	72.5
176	Rest of the world (subsidy on coal exports to Central Canada) (223)	-	-	14.0	1.5
177	Total outlay (169 + 170)	208.0	59.3	448.9	272.0
			Cr. Inco	ome	
	Receipts from:				
178	Industries	(15.8)	(0.8)	(22.0)	(26.9)
179	Indirect taxes (15)	2.8	0.7	3.0	3.4
180	Less: Subsidies (18)	- 13.6	- 3.4	- 14.2	- 4.8
181	Corporate income tax (7)	26.6	3.5	33.2	28.3
182	Households	(58.8)	(14.4)	(124.4)	(91.5)
183	Indirect taxes (59)	30.0	8.8	62.5	46.7
184	Personal income tax (66)	28.8	5.6	61.9	44.8
185	Provincial government (153)	2.0	0.2	1.0	0.7
186	Municipal governments (131)	0.2	-	~	0.1
187	Total income (178 + 182 + 185 + 186)	76.8	15.4	147.4	119.2
188	Excess of federal government spending over federal government receipts (235)	131.2	43.9	301.5	152.8

TABLE 2.9H. System of Nine Accounts, 1965 Income and Outlay Account — Rest of the World

All transactions non-resident to the province, except for federal government

Item No.		New- foundland	Prince Edward Island	Nova Scotia	New Brunswick			
140.			millions of	dollars				
		Dr. Pay	ments of non-re (receipts of the		tors			
٠.								
189	Payments to industries: Exports of goods and services (39)	(311.0)	(48.2)	(392.6)	(383,8)			
	To:	259.3	10.2	137.6	194.9			
190 191	Foreign countries (40)	9.3	12.5	30.1	32.3			
192	New Brunswick (42) Prince Edward Island (43)	0.1	5.7	12.8	7.8			
194 195	Newfoundland (44)	42.3	5.1	22.1 190.0	11.4 137.4			
	Payments to households:							
196	Purchases by non-resident tourists routed through household			21.2	100			
	account (30, 53)	2.8	8.0	21.3	19.0			
197	Total exports (189 + 196)	313.8	56.2	413.9	402.8			
198	Transfers to households (remittances, gifts and miscellaneous property income) (90)	6.4	3.0	22.3	13.5			
199	Deficit of the province on current transactions with rest of the	176.0	52.3	355.1	234.5			
200	world							
200	Total (197 + 198 + 199)	496.2	111.5	791.3	650.8			
		Cr. Receipts of non-resident transactors (payments by the province)						
	Receipts from sale of:							
201	Competitive imports to industries (46)	(289.4)	(67.1)	(435.9)	(332.4			
202	Nova Scotia (47)	20.8	4.8	_	22.5			
203	New Brunswick (48) Prince Edward Island (49)	11.1 5.1	7.8	32.3 12.5	5.7			
205 206	Newfoundland (50)	_		7.5	0.1			
207	All other (51) Non-competitive imports	252.4 (120.0)	(33.4)	383.6 (249.9)	304.1 (215.3			
208	To: Industries (21)			ì				
209	Households (60)	59.9 52.9	19.4	146.8 90.0	148.6 57.7			
210	Education (96) Hospitalization (110)	1.5	0.6	3.1 5.5	2.0 4.4			
212	Municipal governments (124)	0.6	0.4	1.0	1.1			
213 214	Provincial government (146) Federal government (168)	1.5 0.5	0.5	1.4 2.1	0.7			
215	Tourist expenditures by households out of province (63)	5.0	2.0	15.0	20.0			
216	Total imports (201 + 207 + 215)	414.4	102.5	700.8	567.7			
217	Remittable and remitted profit and interest	(81.8)						
	Received from:	(01.0)	(9.0)	(76.5)	(81.6)			
218	Industries (5 + 10) Education (95)	69.9	5.5	58.8	67.4			
220	Hospitalization (109) Municipal governments (123)	2.8 0.1	0.9	3.6 1.5	3.0			
221	Municipal governments (123) Provincial government (145)	1.1	0.5	1.5	0.8			
		7.9	2.0	11.0	8.6			
223	Subsidy from federal government on coal exports to Central Canada (176)							
		_	-	14.0	1.5			
1	Total (216 + 217 + 223)							

TABLE 2.9I. System of Nine Accounts, 1965 Consolidated Capital Finance Account

	Consolitated Capital Finally	z Account									
Item No.		New- foundland	Prince Edward Island	Nova Scotia	New Brunswick						
			millions of	millions of dollars							
		Dr. Disposition									
			DI. Dispe								
	Industries:										
224	Gross fixed capital formation (37)	128.6	30.9	207.7	242.5						
225	Inventory change (38)	5.6	- 2.3	4.7	- 10.0						
226	Gross domestic capital formation (224 + 225)	134.2	28.6	212.4	232.5						
					<u></u>						
227	Personal saving (including retained earnings of locally controlled business) (68)	38.0	8.7	77.7	58.4						
228	Capital consumption allowances – Industries (19)	65.7	16.7	117.6	112.6						
229	Deficit (-) or surplus (+) of provincial public sectors (230 + + 233)	(- 14.3)	(- 5.2	(- 36.5)	(- 20.2)						
230	Education (104)	- 2.0	- 0.4	- 9.1	- 7.4						
231	Hospitalization (118)	- 1.7	- 0.2	- 1.2	- 1.1						
232	Municipal governments (140)	- 3.4	- 0.9	- 11.7	- 5.3						
233	Provincial government (165)	- 7.2	- 3.7	- 14.5	- 6.4						
234	Deficit of the province on current transactions with rest of the world (199)	176.0	52.3	355.1	234.5						
235	Deduct: Excess of federal government spending over federal government receipts (188)	- 131.2	- 43.9	- 301.5	, - 152.8						
236	Net capital inflow from rest of the world not covered by federal government transfers (234-235)	(44.8)	(8.4)	(53.6)	(81.7)						
	Finance of gross domestic capital formation (227 + + 235)	134.2	28.6	212.4	232.5						
					1						

VII. PROVINCIAL ECONOMIC ACCOUNTS FOR 1960

Tables 2.10 to 2.14 show similar sets of provincial economic accounts for 1960. These estimates are here presented in the same format as those for 1965. The data are essentially the same as those contained in A Macro-Economic Analysis of the Structure of the Economy of the Atlantic Provinces, 1960.(22) Input-output tables for 1960 corresponding to the provincial eco-

nomic accounts are presented in the tabular appendix to this volume. The formal properties of the 1960 inputoutput tables have been changed from those described in A Macro-Economic Analysis of the Structure of the Economy of the Atlantic Provinces, 1960 to the fixed market share model described in Chapter 4 of this volume.

TABLE 2.10 A. System of Nine Accounts, Summary of Transactions, 1960 Newfoundland

			Newi	oundland							
				Fin	al expenditu	re on goods	and service	ces, less compe	etitive import	s	
				Capital fo		Fedgovern				al public tors	
		Current account inputs of industries	Personal expenditure (including purchases by non-resident tourists)	Gross fixed capital formation	Inventory change	Defence	Civil	Provincial	Municipal	Education	Hospitali- zation
		1	2	3	4	5	6	7	8	9	10
No.						millions o	f dollars				
I	Sales by industries		209.9	108.1	7.9	4.5	19.9	29.4	3.7	5.2	6.5
2	Primary inputs: Wages, salaries and SLI	235.8				5.0	17.7	10.2	1.6	12.9	7.5
3	Unincorporated income	42.1	-								-
4	Corporate profit	77.0 25.1						3.3	0.8	1.7	0.1
5	Rent and interest			_		(5.0)	(17.7)	(13.5)	(2.4)	(14.6)	(7.6)
6	Net Domestic Product at factor cost (2++5)	(380.0)	_	_		(3.0)	(17.7)	(13.3)	(2.4)	(14.0)	(1.0)
	Indirect Taxes:										
7	Municipal	4.3	0.7					-	_		-
8	Provincial	0.6	21.0							_	_
10	Education and Hospital charges	-	2.3					-			
	Less: Subsidies:										
11	Provincial	-0.5							-	-	
12	Capital consumption allowances	-9.0 51.3		_				-	_	-	_
14	Gross Domestic Product at market price (6++13)	(434.7)	(33.1)	_	_	(5.0)	(17.7)	(13.5)	(2.4)	(14.6)	(7.6)
15	Non-competitive imports	60.6	58.9			0.2	0.5	1.3	0.2	0.6	1.9
16	Total primary inputs (14+15)	495.3	92.0	-		5.2	18.2	14.8	2.6	15.2	9.5
17	Total final expenditure on goods and services, less competitive imports		382.9	108.1	7.9	9.7	38.1	44.2	6.3	20.4	16.0
	Income plus deficit (column 24) of:										
18	Households (2+3+33+35)	310.1				5.0	17.7	11.2	1.6	12.9	7.5
19	Hospitalization (10) Hospitalization (10)		1.0						_	-	-
21	Municipal government (7)	4.3	().7	_					-		_
2.2	Provincial government (8+11+32)		21.0	-				A.s			-
23 24	Federal government (9+12+31)		9.1			0.2	0.5	-		-	2.0
					1			3.6	1.0	2.3	2.0
25	Total outlay		1				· · · · · · · · · · · · · · · · · · ·		I		
26	Capital finance: CCA plus saving Total primary (18++24+26)		92.0	_		5.2	18.2	14.8	2.6	15.2	9.5
28	Total (1+27)		382.9	108.1	7.9		38.1	44.2			
29				(11)	1	(47		44.2	6.3	20.4	16.0
30						(47			30)	,,,	
	Estimated allocation of profit, rent and interest:			Ţ							
31	Profits:	13.5		1							
3.2	Provincial tax	15.5	1								-
33	Remaining in province	19.9			-]			-	
34	Iransferred out	43.6									
35	Interest: Remaining in province	12.3									
36	Transferred out	12.8			1			1.0	0,8	1.7	0.1
			L		Ц.	L	L	4	(7.8	1.7	0.1

TABLE 2.10 A. System of Nine Accounts, Summary of Transactions, 1960 Newfoundland

										Newfou	ndiand										
	Fina	al expend	liture or	ı goods aı	nd servic	es, less c	ompetitiv	ve impo	rts			Or	tlav nlu	s saving (row 26)	of					
		Exports]	Less: Cor imp	npetitive orts					O.	may piu	s saving (10w 20)	01			Capital finance: Gross		
Foreign coun- tries	Rest of Canada (ex- cluding At- lantic Prov- inces	Nova Scotia	New Bruns- wick	Prince Edward Island	Nova Scotia	New Bruns- wick	Prince Edward Island	All other sources	Sub-total (2++19)	Total primary inputs (1++20)	House- holds	Educa- tion	Hospi- tali- zation	Muni- cipal- govern- ment	Provin- cial govern- ment	Federal govern- ment	Rest of the world	Total income (2++28)	domes- tic capital forma- tion plus deficits	Total	
11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	No.
										millions of	dollars										
152.6	15.0	17.9	0.9	0.4	-11.7	-9.1	-4.6	-142.2	495.3	_											1
																			,		
		-	-	-		-			54.9	290.7											2
	-	-		-		_		-	-	77.0											4
		-	-			-		-	5.9	31.0											5
-	-	-		-	_	_	-	_	(60.8)	(440.8)											6
_				_	_				0.7	5.0											7
-				-			-		21.0	29.0											8
			_	-		_		-	9.1 2.3	9.7 2.3											10
									_	-0.5											11
		_	_	_	_		_		_	-9.0											13
		-	-	-			-		-	51.3											13
-	-	-	-	-	_	-	-		(93.9) 63.6	528.6 124.2											15
							_	_	157.5	652.8									ļ	3	16
_	-	-	_	-	_	_	_		137.3	032.0											1
152.6	15.0	17.9	0.9	0.4	-11.7	-9.1	-4.6	-142.2	652.8		382.9	20.4	16.0	6.3	44.2	47.8	19.2		116.0	652.8	17
							_			366.0		_			14.5	46.9	7.0	(434.3)		434.4	18
-						-				1.0				0.2	16.4	1.3		(18.9)		20.4 16.0	
		-					-			1.3	1				9.2			(6.7)		6.8	21
	1					-			-	28.5				0.1	0.8	51.3		(79.9)		86.6 152.6	1
-				_	1	_				14.2				0.2	0.0			187.3	1	187.3	1
				-		1	l				(404.8)	(20.4)	(16.0)) (6.8	(86.6	(152.6)	(26.2)	,		1	25
							-	1	-	51.3							161.1			242.0	26
_	_	-	-	-	-		_	-		652.8										1	27
152.	15.0			9 0.4	4			ì							1						28
		1		(19.2	1	1	1	1				1				1					59
-				T			1				434.4	20.4	16.0	6.8	86.6	152.6	187.3		242,0		3()
				Large Comments of the Comments											7						31 32 33 34 35 36

TABLE 2.10 B. System of Nine Accounts, Summary of Transactions, 1960 Prince Edward Island

			Fin	al expenditur	e on goods	and service	ces, less comp	etitive import	ts	
	Current account inputs of industries	Personal expenditure (including purchases by non-resident tourists)	Gross fixed capital formation	Inventory change	Defence	Civil	Provincial	Municipal	Education	Hospitali- zation
1	1	2	3	4	5	6	7	8	9	10
	1									
							0.7	0.0	1.0	1.4
s by industries		71.8	24.4	1.7	4.8	6.1	8.7	0.9	1.8	1.4
nary inputs:	25.4				4.0	5.0	2.8	0.5	3.0	1.8
		_	_	_	-	-	_	-	_	-
	8.7	_	_	_	-	-	-	-	_	-
ent and interest	5.5	_	-	-	-	- 1	1.4	0.5	0.2	0.3
Net Domestic Product at factor cost (2++5)	(77.2)	_	-		(4.0)	(5.0)	(4.2)	(1.0)	(3.2)	(2.1)
direct taxes:										
Municipal	2.2	0.4	-	_	-	_	-		-	-
Provincial	2.4	6.3	-	_	-		-		_	-
Federal	0.2	5.5	-	-	-	-			_	-
	-	0.6		_	_	-	_	_	_	_
			_		_	_	_		_	_
	13.9	_	_		_	_	_	_	_	_
		(12.8)		_	(4.0)	(5.0)	(4.2)	(1.0)	(3.2)	(2.1)
on-competitive imports	20.3	16.6			0.2	0.1	0.4	0.1	0.5	0.6
Total primary inputs (14+15)	113.2	29.4	_	_	4.2	5.1	4.6	1.1	3.7	2.7
al final expenditure on goods and services, less competitive aports		101.2	24.4	1.7	9.0	11.2	13.3	2.0	5.5	4.1
ome plus deficit (column 30) of:										
ouseholds (2+3+33+35)	71.5	_	_	-	4.0	5.0	3.3	0.5	3.0	1.8
	-	0.3	_	_	-	-	_			_
			_		_	-	-	_		-
			_	_	_	_	_	_	_	
ederal government (9+12+31)	-1.1	5.5	_		_	_	_	_		
est of the world (15+34+36)	24.3	16.6	-	_	0.2	0.1	1.3	0.6	0.7	0.9
Total outlay										
ital finance: CCA plus saving	13.9	_	_		_		_		1 _	1
Total primary (18++24+26)	113.2	29.4	_	_	4.2	5.1	4.6	1.1	3.7	2.7
Total (1+27)		101.2	24.4	1.7						4.1
							13,3			4.1
			(20		(20	-~)		(22	1.3)	
mated allocation of profit, rent and interest										
	1.7	-	_	1 _	1 _					
Provincial tax							_	_	_	
Remaining in province	5.3	-	_	_	-	-	-			
	1.7	_		_	-	-				
ent and interest:	3.7		1							
ent and interest: Remaining in province	3.2 2.3		_		_	-	0.5	0.5	0.2	0.3
a a note of MP F E to P F II of the case o	ary inputs: ges, salaries, and SL1 inincorporated income reporate profit nt and interest Net Domestic Product at factor cost (2+ +5) direct taxes: dunicipal Provincial Federal Education and hospital charges sss: Subsidies: Provincial Federal pital consumption allowances Gross Domestic Product at market price (6+ +13) In-competitive imports Total primary inputs (14+15) If final expenditure on goods and services, less competitive ports me plus deficit (column 30) of: Duscholds (2+3+33+35) Jucation (10) Junicipal government (7) Divincial government (8+11+32) Jet of the world (15+34+36) Lotal outlay tal finance: CCA plus saving Total primary (18+ +24+26) Total (1+27) mated allocation of profit, rent and interest offits: Federal tax Provincial tax Provincial tax	1	account industries account	Carrent account formation Personal expenditure (including purchased by notice Personal expenditure (including expenditure) Perso	account inputs of the properties of the proper	Current account Personal acc	Current account acco	Current account Personal acc	Current second indistries Personal account Pe	Current Second Personal Personal

TABLE 2.10 B. System of Nine Accounts, Summary of Transactions, 1960 Prince Edward Island

										Prince Edw	ard Islan	d									
	Final	expendi	ture on g	oods and	l services	, less con	npetitive	imports													
		Exports			1		npetitive					Ou	tlay plu:	s saving (row 26)	of			Capital		
Foreign coun- tries	Rest of Canada (ex- cluding At- lantic Prov- inces)		New Bruns- wick	New- found- land	Nova Scotia	New Bruns- wick	New- found-	All other sources	Sub-total (2++19)	Total primary inputs (1++20)	House- holds	Educa- tion	Hospi- tali- zation	Muni- cipal govern- ment	Provin- cial govern- ment	Federal govern- ment	Rest of the world	Total income (2++28)	finance Gross domes- tic capital forma- tion plus deficits	Total	
11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	No.
										millions of o	lollars										
6.7	15.8	7.4	3.6	4.7	-5.5	-8.1	-0.4	-32.6	113.2	ant-											[]
-	_	_	_	_	-	_	-		18.1	52.5				1	į	l					1 2
_		_	_	_	_	_	_	_		27.6											1 3
-	-	_	_	-	- 1	-	- 1	-	2.4	7.9				1				1			5
pro-	-	_	-	-	-	-	-	- 	(19.5)	(96.7)											6
		_	_	_	_		_	_	0.4	2.6			1	1	1	1 1					1 7
-	-	-	-		-	-	_	_	6.3	8.7											8
				_	-	_	_	_	5.5	5.7											9 10
-	-	-	-	_	-	-	-	_	_	-3.0											11
-	_		_	-	-	-	-		_	13.9											13
-		-	-	-	-	-	-	_	(32.3)	125.2 38.8											14
_		-	_	_	_	-	_														1
-	-	-	-	-		-	-	_	50.8	164.0											16
6.7	15.8	7.4	3.6	4.7	-5.5	-8.1	-0.4	-32.6	164.0		101.2	5.5	4.1	2.0	13.3	20.2	-8.4		26.1	164.0	17
														1	1 12	12.0	2.5	(106,7)		106.7	18
_	_	_	_	_	-	_	_	_		89.1	_	_	-	2.0	2.9	0.3	-	(5.5)		5.5	19
Barren.	-			-	_	-	_	-	_	0.3		_	- _	_	2.0	0.1	_	(3.5)			20
_	_	_	_	_	_	_	_	_	-	2.6	_	_	_	-	-	11.0	_	(19.7)	0.3	20.0	22
				_	-	-	_	-	-	4.4	2.6		-	_	0.1	-	-	(7.1) (40.1)	39.5	46.6	
				-	-	-	-	-	-		-4.6			(2.0)			(-5.9)				25
			 I	 1	1					1	7.5			(2.0)	(20.0)		46.0			67.4	1
	1		and the same of th								1		_				40.0			07.1	27
-		-	-	-	-	-	-	_		164.0											28
6.7	15.8	7.4	3.6	4.7		-8.1	-0.4	-32.6	164.0									1			29
			1	(-8.4)							1116	, 35	41	411	2010	46.6	40-1		6 4		3()
		1					ř				100		7.1								
		1	1	1							,										2.4
			1																		31 32
				1		1	1								1	1		[1	1	133
																					1
																					35
	1	1	1					,													s r

TABLE 2.10 C. System of Nine Accounts, Summary of Transactions, 1960 Nova Scotia

			Nov	a Scotia							
_				Fir	nal expenditu	re on goods	and servi	ces, less comp	etitive import	ts	
				Capital fo		Fede					
		Current account inputs of industries	Personal expenditure (including purchases by non-resident tourists)	Gross fixed capital formation	Inventory change	Defence	Civil	Provincial	Municipal	Education 9 20.3 31.2 - 3.0 (34.2) 1.7 35.9 56.2 32.8 - 3.1 - 35.9 56.2	Hospitali- zation
No.		1	2	3	4	5	6	7	8	9	10
						millions o	f dollars				
1	Sales by industries		619.2	177.2	5.7	33.2	21.6	42.4	8.6	20.3	14.5
2 3 4	Primary inputs: Wages, salaries, and SLI Unincorporated income	431.3 104.2 100.3				54.0	56.7	14.7	8.0	-	19.2
5	Corporate profit	47.0				-		11.6	4.0	3.0	0.8
6	Net domestic product at factor cost (2++5)	(682.8)	-	-	-	(54.0)	(56.7)	(26.3)	(12.0)	(34.2)	(20.0)
7 8 9	Indirect taxes: Mameipal Provincial Federal	33.7 20.9 1.2	5.9 33.1 57.7					-	-		-
10	I ducation and hospital charges		5.1	-					-	-	
11 12 13	Less: Subsidies: Provincial Federal Capital consumption allowances	-0.4 -15.1 92.7			***		-	- -	-		Town
14	Gross Domestic product at market prices (6++13)	(815.8)	(101.8)	-	_	(54.0)	(56.7)	(26.3)	(12.0)		(20.0)
15	Non-competitive imports	137.6 (953.4)	78.6	_	_	0.9 54.9	0.6 57.3	0.7 27.0	0.7 12.7		24.2
17	Total final expenditure on goods and services, less competitive imports		799.6	177.2	5.7	88.1	78.9	69.4	21.3	56.2	38.7
	Income plus deficit (column 30) of:										
18 19	Households (2+3+33+35)	596.4	3.0			54.0	56.7	20.7	10.0	32.8	19.6
20	Hospitalization (10)		2.1		-		-	**		_	
21	Municipal government (7)	33.7	5.9						-		_
22	Provincial government (8+11+32)	20.5	33.1	~	-	1		-			
24	Federal government (9+12+31)	3.8 206.3	78.6			0.9	0.6	6.3	2.7		4.6
25	Total outlay										
26	Capital finance: CCA plus saving	92.7	-		1				-	_	-
27	Total primary (18++24+26)	953.4	180.4	_	_	54.9	57.3	27.0	12.7	35.9	24.2
28	Total (1+27)		799.6	177.2	5.7	88.1	78.9	69.4	21.3	56.2	38.7
29				(18	2.9)	(16	7.0)		(18	5.6)	
30	Estimated allocation of profit, rent and interest										
31	Profits: Federal tax	17.7									
32	Provincial tax	17,7	_								
33	Remaining in province	32.1	_							**	
34	Transferred out	50 5		1							
35	Remaining in province	28.8		1	1						
36	Transferred out	18.2			1	1		5.6	2.0	1.6	0.4

TABLE 2.10 C. System of Nine Accounts, Summary of Transactions, 1960 Nova Scotia

										Nova S	Scotia										
	Final	expendi	ture on g	oods and	services	, less con	npetitive	imports													
		Exports			J	Less: Cor		:				Ou	itlay plu:	s saving	(row 26)	of			Capital finance: Gross		
Foreign coun- tries	Rest of Canada (ex- cluding At- lantic Prov- inces)	New Bruns- wick	Prince Fdward Island	New- found- land	New Bruns- wick	Prince Tdward Island	New- found- land	All other sources	Sub-total (2++19)	Total primary inputs (1++20)	House- holds	Fduca- tion	Hospi- tuli- zation	Muni- cipal govern- ment	Provin- cial govern- ment	Federal govern- ment	Rest of the world	Total income (2++28)	domes- tic capital forma- tion plus deficits	Total	
11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	No.
								t		millions of	dollars										
107.6	136.5	38.1	9.2	24.3	-34.3	-7.4	-10.8	-252.5	953.4												1
-	-		-	- - -	- - -	_ _ _ _	_ _ _		183.8	615.1 104.2 100.3 66.4											2 3 4 5
-	-	_	-	-	-	_	_	_	(203.2)	(886.0)											6
		- - -	_	-	-	-			5.9 33.1 57.7 5.1	39.6 54.0 58.9 5.1	•										7 8 9
- -	-8.9 - (-8.9)	_ _ _	- -		-	-	_ _ _ _ _		-8.9 - (296.1) 87.4	-0.4 -24.0 92.7 1,111.9 225.0											11 12 13 14 15
_	-8.9	_		_	_	_	-		383.5	1,336.9											16
																			4000	1 22/ ()	1
107.6	127.6	38.1	9.2	24.3	-34.3	-7.4	-10.8	-252.9	1,336.9		799.6	56.2	38.7	21.3	69.4	167.0	1.8		182.9	1,336.9	17
_	8.9	-		-	-	-	-		-	790.2 3.0 2.1 39.6 53.6 52.6 303.1		(56.2)		2.5 29.4 0.5 - 0.3 - -			18.0	(902.1) (52.7) (38.2) (48.8) (108.0) (100.6) (299.8)	0.5 5.2 15.7 224.8	902.1 56.2 38.7 54.0 123.7 325.4 299.8	23
	1		-		1		1	-		92.7		(2012)		(6.10)	1		280.0	1		432.6	
-	-8.9		_	-	_	_	-	_	_	1,336.9											27
107.6	127.6	38.1	9.2	24.3	-34.3	-7.4	-10.8	-252.5	1,336.9					1					1		28
			'	(1.8)						1							1				29
											902.1	56.2	38.7	54.0	123.7	325.4	299,8		432.6		30
													1								31 32 33 44

TABLE 2.10 D. System of Nine Accounts, Summary of Transactions, 1960 New Brunswick

				1013	.1	o on sord	e and corri	cos less com-	etitive impor	ts	
				,				ces, tess comp			
				Capital for		Fedgoverr				al public tors	
		Current account inputs of industries	Personal expenditure (including purchases by non-resident tourists)	Gross fixed capital formation	Inventory change	Defence	Civil	Provincial	Municipal	Education	Hospitali- zation
	þ	1		3	4	5	6	7	8	9	10
						millions o	f dollars				
1	Sales by industries		448.5	130.8	11.2	8.4	10.8	40.8	8.2	13.6	9.0
2 3 4	Primary inputs: Waser Strates, and SLI	326.3 83.9 65.5				14.0	29.5	10.3	6.1	22.4	16,4
5	Rent and interest	47.1 (522.8)	_			(14.0)	(29.5)	10.5 (20.8)	4.4 (10.5)	(25.3)	(18.3)
5 9 1	Indirect taxes Manapal Provincial I edetal I discation and hospital charges	23/2 20.5 1/0	7 1 34 6 38.0 5.1								
11 12 13	Less: Subsidies Provincial Federal Capital consamption allowances	-0.2 -8.0 90.1									
14 15	Gross Domestic Product at market prices (6++13) , . Non-competitive imports	(549.4) 118.8	(84.8) 58 (I			(14.0)	0.7	(20.8)	(10.5)	(25.3)	(18.3
16	Total primary inputs (14+15)	768.2	142.8	-		14.2	30.2	24.2	11.3	26.8	22.3
17	Total final expenditure on goods and services, less competitive imports		591.3	139.8	11.2	22.6	41.0	65.0	19.5	40.4	31.3
18 19 20	Income plus deficit (column 30) of: Households (2+3+33+35) Education 10) Hospitalization (10) Municipal government (7)	465.2	2.5 2.6 7.1			14.0	29.5	16.4	8.1	23.7	17.2
22 23 24 25	Provincial government (8+11+32)	20 3 8.5 160 9	34.6 , 38.0 58.0	1		0.2	0.7	7.8	3.2	3.1	
	Capital finance: CCA plus saving	90 [1		 I			 I	 I	
	Total primary (18+ , , +24+36)	768.2	142.8	-		14.2	30.2	24.2	11.3	26.8	22.3
25	Total (1+27)		591.3	130.8	11.2	22.6	41.0	65.0	19.5	40.4	31.3
30				(14)	2.0)	(63	.6)		(15	6.2)	
	Estimated allocation of profit, rent and interest:					1					
31	Profits: Federal tax Provincial tax	15.5	l –	1						_	-
33	Remaining in province Transferred out	29.6 20.4		-	_	_	-			-	
35	Rent and interest: Remaining in province	25.4 21.7			-	-	- -	6.1	2.0	1.3	0.8

TABLE 2.10 D. System of Nine Accounts, Summary of Transactions, 1960 New Brunswick

	Final	expendi	ture on g	oods and	l services	, less con	npetitive	imports													
		Exports			1							Ot	itlay plu	s saving ((row 26)	of			Capital finance:		
		Nova Scotia	Prince Edward Island	New- found- land	Nova Scotia	Prince	New- found-	All other sources	Sub-total (2+ +19)	Total primary inputs (1++20)	House- holds	Educa- tion	Hospi- tali- zation	Muni- cipal govern- ment	Provin- cial govern- ment	Federal govern- ment	Rest of the world	Total income (2++28)	Gross domes- tic capital forma- tion plus deficits	Total	
11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	No.
										millions of	dollars								1		1
125.3	137.1	34.3	9.9	14.7	-36.1	-3.6	-0.9	-193.8	768.2	-											[1
-	-	_	-	-		-	-	-	98.7	425.0 83.9											2 3
_	-		_		_	-	-		19.7	65.5											4 5
		_	-		-	-		-	(118.4)	(641.2)											6
_	_		-		-	_	_	***	7.1	30.3											1 7
			_			-	-	-	34.6 38.0	55.1 39.0											8 9
-	-	-	-	-	-	-	-	-	5.1	5.1											10
-	(-0.3)	-	-	-	_	_	_	-	-0.3	-0.2 -8.3											11 12
-	- 1					-	-		-	90.1											113
-	(-0.3)	-	-	_	<u>-</u>	- -	- -	-	(202.9) 68.6	(852.3) 187.4											114
-	-0.3	-	-	-	****	-	-	-	271.5	1,039.7											16
125.3	136.8	34.3	9.9	14.7	-36.1	-3.6	-0.9	-193.8	1,039.7		591.3	40.4	31.3	19.5	65.0	63.6	86.6		142.0	1,039.7	17
-	- - - -0.3				- - - - -	-	-	-				(40.4)		2.0 20.0 0.6 (42.1)	8.4 11.6 14.5 7.7 - 1.2	68.2 2.4 10.8 2.8 47.0	10.8	(36.5) (28.5) (40.8) (101.9) (82.2) (239.9)	3.9 2.8 1.3 6.5.	40.4 31.3 42.1 108.4 194.8 239.9	19 20 21 22 23
_	-	-	_	-	-	_ [_	-	-			_	_	-						269.1	
	-0.3		_	_	~	_	-	-		1,039.7											27
									1,039.7		1										28
				(86.6)																	29
											663.5	40.4	313	421	108.4	194.8	239.9		269,1		31 32 33 34
	111 125.3 1 125.3 1 125.3 1 125.3	Rest of Canada (ex- countries At lantic Provinces) 11 12 125.3 137.1	Rest of Canada (ex-countries At lantic Provinces)	Rest of Canada (excluding At lantic Priory inces)	Rest of Canada (excluding At lantic Provinces)	Rest of Canada (ex-cluding At lantic Provinces)	Rest of Canada (excluding At lantic Provinces)	Exports Less: Competitive imports Comp	Rest of Canada At Canada At Prince Countines Nova Canada At Canada At Prince Inices Nova Catalante Prov. Scotia Island Island Scotia Edward Foundines Scotia Island Island Scotia Edward Foundines Island Islan	11 12 13 14 15 16 17 18 19 20	Total primary inputs Canada (ex. Connective land) Canada (ex. Canada land) Canada (ex. Canada land) Canada (ex. Canada land) Canada land Canada land land land Canada land land land land land land land	Test Correction Correctio	Total primary Coreign Coreign Coreign Covered Covered	Contact Cont	Rest of consequence Conseq	Pest of Canada Carada	Rest of Canada Ca	Rest of Canada Ca	Rest of loreing Continue Co	Rest of Rest	Rest of length Prince Pr

TABLE 2.10 E. System of Nine Accounts, Summary of Transactions, 1960 Atlantic Region

				nc Region							
					Fin		ure on goo mpetitive	ods and service imports	es,		
				Capital fo		Fed	eral iment			al public tors	
		Current account inputs of industries	Personal expenditure (including purchases by non-resident tourists)	Gross fixed capital formation	Inventory change	Defence	Civil	Provincial	Municipal	Education	Hospitali- zation
		1	2	3	4	5	6	7	8	9	10
No.				1		millions o	f dollars				
1	Sales by industries		1,443.8	440.5	26.6	51.2	58.8	121.7	21.4	41.3	31.8
2	Primary inputs: Wages, salaries, and SLI Unincorporated income	1,028.8				77.0	108.9	38.0	16.2	69.5	44.9
5	Corporate profit	251 5 124.7		***			-	26.8	9.6	7.8	3.1
6	Net Domestic Product at factor cost (2+ +5)	(1,662.8)	_	-		(77.0)	(108.9)	(64.8)	(25.8)	(77.3)	(48.0)
7 8 9	Indirect taxes: Municipal Provincial Federal	63.4 51.8 3.1	14.1 95.0 110.3					0.4	-	-	-
10 11 12	Fducation and hospital charges Less: Subsidies: Provincial Federal	-1 1 -35.1	13.1						_	-	_
13	Capital consumption allowances	248.0	(222 5)			(77.0)	(100.0)	((7.0)	(25.0)	(77.3)	(40.0)
14 15	Gross Domestic Product at market prices (6++13) . Non-competitive imports	(199.9) 300.6	(232.5) 199.2			(77.0)	(108.9)	(65.2) 5.4	(25.8) 1.8	(77.3) 4.0	(48.0) 10.4
16	Total primary inputs (14+15)	2,293.5	431.7	_	-	78.2	110.4	70.6	27.6	81.3	58.4
17	Total expenditure on goods and services, less competitive imports		1,875.0	440.5	26.6	129.4	169.2	192.3	49.0	122.6	90.2
18 19 20	Income plus deficit (column 24) of: Households (2+3+33+35) Education (10) Hospitalization (10)	1,443.2	6.8		-	77.0	108.9 -	51.6	20.2	72.4	46.1
21	Municipal government (7) Provincial government (8+1+32)	63.4 50.7	14.1		-					· _	-
23	Federal government (9+12+31)	16.4 471.8	110.3 199.2			1.2		0.4 18.6	7.4	8.9	12.3
25	Total outlay	248.0			 I	 I					
27	Total primary (18+ +24+26)	2,293.5	431.7	_	-	78.2	110.4	70.6	27.6	81.3	58.4
28	Total (1+27)		1,875.0	440.5	26.6	129.4	169.2	192.3	49.0	122.6	90.2
29				(46	7.1)	(29	8.6)		(45	4.1)	
3(1	Estimated allocation of profit, rent and interest										
31	Profits: Federal tax	48.4	-	-	_	_	-	1	_		
32 33	Provincial tax Remaining in province	86.9	-	-	-		_	-	-	-	-
34	Transferred out	116.2	-	_	_			_	-		
35	Rent and interest: Remaining in province	69.7	_	_				12.6			
36	Transferred out	55.0	_	_	_	-	-	13.6	4.0 5.6	2.9 4.9	1.2

TABLE 2.10 E. System of Nine Accounts, Summary of Transactions, 1960 Atlantic Region

						Atlant	tic Region								
Fina		e on goods and service petitive imports	ces,				Outlay plus	saving (ro	w 26) of						
Expo	orts	Less: Competitive imports		Total			Outlay plus	saving (10	# 20) Ot				Capital finance:		
Foreign countries	Rest of Canada	All sources	Sub-total (2++13)	primary inputs (1++14)	House holds	Education	Hospitali- zation	Muni- cipal govern- ment	Provincial government	Federal govern- ment	Rest of the world	Total income (2+ .+22)	Gross domestic capital formation plus deficits	Total	
11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	
				1		millions o	of dollars								<u>>0.</u>
					1				1						
392.2	304.4	-639.7	2,293.5												1
			354.5	1,383.3 257.8 251.5											2 3 4
			47.3	172.0											5
-	-		(401.8)	(2,064.6)											6
			14.1 95.0 110.7 13.1	77.5 146.8 113.8 13.1											7 8 9
				-1.1				1							11
-	-9.2		-9.2	-44.3 248.0											12
_	(-9.2)		(625.5)	(2,618.4)		-									14
-			223.5	524.1		!									1.15
-	-9.2	-	849.0	3,142.5											116
392.2	295.2	-639.7	3,142.5		1,875.0	122.6	90.2	49.0	192.3	298.6	47.7		467.1	3,142.5	17
								1	22.2	2122		40.404.50			
				1,819.4				4.5 51.6	32.2 47.9	212.3	38.3	(2,106.7) (113.7)	8.9 :	2,106.7	18
				6.3				1.1	46.2	30.2		(85.8)	4.4	90.2	20
1				77.5 145.7		1		0.4	16.3	5.6		(99.4)	7.4	106.8 339.1	51
i	-9.2			117.9	103.4			0.2	4.2			(225.7)	493.8	719.5	23
		1		720.9	-5.2							715.7		715 7	24
					(1,973.2)	(122.6)	(90.2)	(106.8)	(339.1)	(719.5)	(86.0)				25
			!	248 0	133.5						629.7			1,011.2	26
	-9.2	-		3.142.5											27
392.2	295.2	639.7	3,142.5			1									28
	(47.7)					1									29
1		1			2,106,7	1 122 6	901.2	1 106.8	339.1	719.5	715.7		1,011.2		30
							1	1							1
,															
															3.2
															3 -
															*4
1															100
															**

TABLE 2.11A. System of Nine Accounts, 1960 Production Account – Industries

1 Wages, salanes and SLI = To households (71) 235.8 35.4 431.3 322	Item		New- foundland	Prince Edward Island	Nova Scotia	New Brunswick
1 Wages, Salmes and surf – 10 houseachosts (77) 42.1 27.6 100-2 8 8 100-2 10						
\$ Rest and interest						326.3 83.9
Residential College (278) 12.8 2.3 18.2 2.		Rent and interest				(47.1)
Capposite income tax:		Rest of the world (218)	12.8	2.3	18.2	25.4 21.7
Federal government (185)	6	Corporate income tax:	(77.0)	(8.7)	(100.3)	(65.5)
Households (34)	7 8	Federal government (181) Provincial government (158) Profit after tax:	13.5		17.7	15.5
Factor Income (1+2+3+6)		Households (84) Rest of the world (218)				29.6 20.4
To:	11	Factor income (1 + 2 + 3 + 6)		1		522.8
Provincial government (156)		To:				(44.7)
From: From: Proximizal government (187) 0.8 -0.0 -0.1 -0.1 Pederal government (180) -9.0 -3.0 -1.1 -1.1 Capital consumption allowances (228) 51.3 13.9 92.7 99 Capital consumption allowances (228) 60.6 20.3 137.6 118 Capital consumption allowances (228) 71.8 71.2 596.4 465 Capital consumption allowances (228) 71.8 71.2 596.4 465 Capital consumption allowances (228) 71.8 71.2 596.4 465 Capital consumption allowances (228) 71.8 71.2 71.1 71.2 71.2 Capital consumption allowances (228) 71.8 71.1 71.2 71.2 71.2 Capital consumption allowances (228) 71.8 71.2 71.1 71.2 71.2 Capital consumption allowances (228) 71.8 71.2 71.1 71.2 71.2 Capital consumption allowances (228) 71.8 71.2 71.1 71.2 71.2 Capital consumption allowances (228) 71.8 71.2 7	14	Provincial government (156)	8.0	2.4	20.9	20.5 1.0
Federal government (180)	16			(= 3.0)	1	(- 8.2)
Cr. Receipts from sales of goods and services to:				- 3.0		- 0.2 - 8.0
19			51.3	13.9	92.7	90.1
Total primary inputs (20+21) 495,3 113,2 953,4 768		19)				649.4 118.8
To:						768.2
New York 1968 1972 197						
Receipts from sales of goods and services to: 29	25 26 27	Households (1 + 2 + 4 + 9) Municipal governments (13) Provincial government (8 + 14 + 17) Federal government (7 + 15 + 18) Rest of the world (5 + 10 + 21) Capital finance account (19)	4.3 7.5 5.1 117.0 51.3	2.2 2.4 -1.1 24.3 13.9	33.7 20.5 3.8 206.3 92.7	465.2 23.2 20.3 8.5 160.9 90.1 768.2
290.9 10. 290.9 71.8 619.2 448.						_
30 Of which purchased by non-resident tourists (53,196) (2.8) (6.2) (15.5)	20					
tion) (119) 3.7	3() 31 32	Of which purchased by non-resident tourists (53,196) Education (schools, colleges, universities) (91) Hospitalization (105)	(2.8) 5.2	(6.2) 1.8	(15.5) 20.3	448.5 (15.3) 13.6 9.0
Section Sect		tion) (119)	3.7	0.9	8.6	8.2
36 Industries (226) (116.0) (26.1) (182.9) (142.3) (35	Federal government (excluding purchases related to federal hospitals,			42.4	40.8
39 Exports (189) (186.8) (38.2) (315.7) (321.57) (32	37	Industries (226) Gross fixed capital formation (224) Inventory change (225)	(116.0) 108.1	(26.1) 24.4	(182.9) 177.2	19.2 (142.0) 130.8 11.2
1	39	Exports (189)	(186.8)	(38,2)	(315.7)	(321.3)
Rest of Canada (194)	41 42 43	Nova Scotia (191) New Brunswick (192) Prince Edward Island (193)	17.9 0.9	7.4	38.1	125.3 34.3 - 9.9
From: (40.0) (-305.0) (-234. 47 Nova Scotia (202)	45	Rest of Canada (195)		15.8	24.3 136.5	14.7 137.1
New Brunswick (205)		From: Nova Scotia (202)	- 11.7	- 5.5	(= 305.0)	(- 234.4) - 36.1
32.0 232.3 4 193.	49 50	Newfoundland (205)	- 4.6	- 8.1 - 0.4	- 7.4 - 10.8	- 3.6 - 0.9
39 + 46)		Total final sales less total competitive imports (29 + 31 + 36 +				- 193.8 768.2

TABLE 2.11B. System of Nine Accounts, 1960 Income and Outlay Account — Households

Item No.		New- foundland	Prince Edward Island	Nova Scotia	New Brunswick
				of dollars Outlay	
52 53	Consumer goods and services from industries (29)	290.9 (2.8)	71.8 (6.2)	619.2 (15.5)	448.5 (15.3)
54	Indirect taxes (55 + + 59)	(33.1)	(12.8)	(101.8)	(84.8)
55 56 57 58 59	To: Education (private payments) (98) Hospitalization (private payments) (112) Municipal government (135) Provincial government (160) Federal government (183)	1.0 1.3 0.7 21.0 9.1	0.3 0.3 0.4 6.3 5.5	3.0 2.1 5.9 33.1 57.7	2.5 2.6 7.1 34.6 38.0
60	Non-competitive imports (209)	58.9	16.6	78.6	58.0
61	Total personal consumption before adjustment (52 + 54 + 60)	382.9	101.2	799.6	591.3
62	Less purchased by non-resident tourists (53)	- 2.8	- 6.2	- 15.5	- 15.3
63	Add resident tourist expenditure out of province (215)	4.6	1.6	12.2	16.2
64	Total personal consumption (61 + 62 + 63)	384.7	96.6	796.3	592.2
	Income tax:				
65 66	To: Provincial government (161) Federal government (184)	20.1	2.6	45.9	34.8
67	Total outlay (64 + 65 + 66)	404.8	99.2	842.2	627.0
68	Personal saving (including retained earnings of locally controlled business) (227)	29.6	7.5	59.9	36.5
69	Total outlay and saving (67 + 68)	434.4	106.7	902.1	663.5
			Cr. Ir	ncome	
#O		(200.7)	(52.5)	(615.1)	(425.0)
70 71 72 73 74 75 76	Wages, salaries and SLI, and military pay From: Industries (1) Education (92) Hospitalization (106) Municipal governments (120) Provincial government (142) Federal government (167)	(290.7) 235.8 12.9 7.5 1.6 10.2 22.7	35.4 3.0 1.8 0.5 2.8 9.0	(615.1) 431.3 31.2 19.2 8.0 14.7 110.7	326.3 22.4 16.4 6.1 10.3 43.5
77	Unincorporated income – From industries	42.1	27.6	104.2	83.9
78	Rent and interest	(13.3)	(3.7)	(38.8)	(35.6)
79 80 81 82 83	From: Industries (4) Education (94) Hospitals Municipal governments (122) Provincial government (144)	12.3 — — — 1.0	3.2	28.8 1.6 0.4 2.0 6.0	25.4 1.3 0.8 2.0 6.1
84	Corporate profits after tax — From industries	19.9	5.3	32.1	29.6
85	Income earned in domestic production (70 + 77 + 78 + 84)	(366.0)	(89.1)	(790.2)	(574.1)
86	Transfers received	(68.4)	(17.6)	(111.9)	(89.4)
87 88 89	From: Municipal governments (127) Provincial government (149)	14.5 46.9	1.3 13.8	2.5 8.0 83.4	2.0 8.4 68.2
90	Rest of the world (remittances, gifts and miscellaneous property incomes)	7.0	2.5	18.0	10.8
	Total income (85 + 86)	434.4	106.7	902.1	663.5

TABLE 2.11C. System of Nine Accounts, 1960 Income and Outlay Account — Education

Item No.		New- foundland	Prince Edward Island	Nova Scotia	New Brunswick
140.			millions o		
91	Goods and services purchased from industries (31)	5.2	1.8	20.3	13.6
92	Wages, salaries and SLI – To households (72)	12.9	3.0	31.2	22.4
93	Interest	(1.7)	(0.2)	(3.0)	(2.9)
	To:	;			
94	Households (80)	-		1.6	1.3
95	Rest of the world (219)	1.7	0.2	1.4	1.6
96	Non-competitive imports (210)	0.6	0.5	1.7	1.5
97	Total outlay (equals total expenditure on goods and services)	20.4	5.5	56.2	40.4
			Cr. In	come	
98	Indirect taxes from households (fees, etc.) (55)	1.0	0.3	3.0	2.5
99	Transfers received:				
	From:	ì			
100	Municipal governments (128)	0.2	2.0	29.4	20.0
	School boards				
	Debt payment				
101	Provincial government (150)	(16.4)	(2.9)	(17.0)	(11.6)
	School boards	15.5	2.4	13.0	9.0
	Vocational schools and universities	0.4	0.1	1.8	0.7
	Other	0.5	0.4	2.2	1.9
102	Federal government (172)	(1.3)	(0.3)	(3.3)	(2.4)
	Vocational grants	0.3	0.3	0.6	1.0
	University grants	0.7	_	2.3	1.4
	Grants to school boards	0.3	-	0.4	-
103	Total income (98 + 100 + 101 + 102)	18.9	5.5	52.7	36.5
104	Deficit (+) or surplus (-) (230)	+1.5	-	+ 3.5	+ 3.9
	Total income and net borrowing (103 + 104)	20.4	5.5	56.2	40.4

TABLE 2.11D. System of Nine Accounts, 1960 Income and Outlay Account — Hospitalization

Item No.		New- foundland	Prince Edward Island	Nova Scotia	New Brunswick
			millions Dr. O	of dollars utlay	
105	Goods and services purchased from industries (32)	6.5	1.4	14.5	9.0
106	Wages, salaries and SLI – To households (73)	7.5	1.8	19.2	16.4
107	To:	(0.1)	(0.3)	(0.8)	(1.9)
108	Households (81)	_	-	0.4	0.8
109	Rest of the world (220)	0.1	0.3	0.4	1.1
110	Non-competitive imports (211)	1.9	0.6	4.2	4.0
111	Total outlay (equals total expenditure on goods and services)	16.0	4.1	38.7	31.3
			Cr. In	come	
112	Indirect taxes from households (fees, etc.) (56)	1.3	0.3	2.1	2.6
113	Transfers received:				
	From:				
114	Municipal governments (129)	-	-	0.5	0.6
115	Provincial government (151)	(9.2)	(2.0)	(20.5)	(14.5)
	Provincial share of hospital services	3.7	0.9	8.9	8.5
	Cost of provincially-operated hospitals	9.0	1.1	9.6	4.1
	Construction grants and other contributions	- 3.5	-	2:0	1.9
116	Federal government (173)	(5.1)	(1.2)	(15.1)	(10.8)
	Federal share of hospital services and construction grants	5.1	1.2	10.9	8.3
	Cost of (federal) veterans' hospitals		-	4.2	2.5
117	Total income (112 + 114 + 115 + 116)	15.6	3.5	38.2	28.5
118	Deficit (+) or surplus (-) (231)	+ 0.4	+ 0.6	+ 0.5	+ 2.8
	Total income and net borrowing (117 + 118)	16.0	4.1	38.7	31.3

TABLE 2.11E. System of Nine Accounts, 1960 Income and Outlay Account — Municipal Governments

Item No.		New- foundland	Prince Edward Island	Nova Scotia	New Brunswick
110.				of dollars outlay	
119	Goods and services purchased from industries (33)	3.7	0.9	8.6	8.2
120	Wages, salaries and SLI – To households (74)	1.6	0.5	8.0	6.1
121	Interest To:	(0.8)	(0.5)	(4.0)	(4.4)
122	Households (82)	_	_	2.0	2.0
123	Rest of the world (221)	0.8	0.5	2.0	2.4
124	Non-competitive imports (212)	0.2	0.1	0.7	0.8
125	Total expenditure on goods and services (119 + 120 + 121 + 124)	6.3	2.0	21.3	19.5
126	Transfers paid	(0.5)	(2.0)	(32.7)	(22.6)
127	Households (87)	_	_	2.5	2.0
128	Education (100)	0.2	2.0	29.4	20.0
129	Hospitalization (114)	_	_	0.5	0.6
130	Provincial government (162)	0.1	_	0.3	_
131	Federal government (186)	0.2	-	_	-
132	Total outlay (125 + 126)	6.8	4.0	54.0	42.1
			Cr. Ir	come	
133	Indirect taxes	(5.0)	(2.6)	(39.6)	(30,3)
134	Industries (including all residential property taxes) (13)	4.3	2.2	33.7	23.2
135	Households (licences, fees, etc.) (57)	0.7	0.4	5.9	7.1
136	Transfers received	(1.7)	(0.5)	(9.2)	(10.5)
137	Provincial government (152)	1.5	0,4	6.7	7.7
138	Federal government (174)	0.2	0.1	2.5	2.8
139	Total income (133 + 136)	6.7	3.1	48.8	40.8
140	Deficit (+) or surplus (-) (232)	+ 0.1	+0.9	+ 5.2	+1.3
	Total income and net borrowing (139 + 140)	6.8	4.0	54.0	42.1

TABLE 2.11F. System of Nine Accounts, 1960 Income and Outlay Account — Provincial Government

Item No.		New- foundland	Prince Edward Island	Nova Scotia	New Brunswick
				ns of dollars	
141	Goods and services purchased from industries (34)	29.4	8.7	42.4	40.8
142	Wages, salaries and SLI – To households (75)	10.2	2.8	14.7	10.3
143	Interest	(3.3)	(1.4)	(11.6)	(10.5)
144 145	Households (83) Rest of the world (222)	1.0	0.4	6.0 5.6	6.1 4.4
146	Non-competitive imports (213)	1.3	0.4	0.7	3.4
		1.5	0.4	0.7	3.4
147	Total expenditure on goods and services (141 + 142 + 143 + 146)	44.2	13.3	69.4	65.0
148	Transfers paid	(42.4)	(6.7)	(54.3)	(43.4)
149	Households (88)	14.5	1.3	8.0	8.4
150	Education (101)	16.4	2.9	17.0	11.6
151	Hospitalization (115)	9.2	2.0	20.5	14.5
152 153	Municipal governments (137) Federal government (185)	0.8	0.4	6.7	7.7 1.2
154	Total outlay (147 + 148)	86.6	20.0	123.7	108.4
			Cr. I	ncome	
	Receipts from:				
155	Industries	(7.5)	(2.4)	(20.5)	(20.3)
156	Indirect taxes (14)	8.0	2.4	20.9	20.5
157	Less: Subsidies (17)	- 0.5		- 0.4	- 0.2
158	Corporate income tax (8)	-	-	-	_
159	Households	(21.0)	(6.3)	(33.1)	(34.6)
160	Indirect taxes (58)	21.0	6.3	33.1	34.6
161	Personal income tax (65)	-	-	-	_
162	Municipal governments (130)	0.1	-	0.3	-
163	Federal government (175)	(51.3)	(11.0)	(54.1)	(47.0)
	Tax equalization	15.4	3.7	21.0	17.5
	Atlantic Provinces subsidy	17.1	3.2	9.6	9.2
	Tax rental adjustment	5.0	1.1	11.2	9.3
	Public utility income tax rebate	0.1	_	0.3	0.1
	Shared cost programmes	13.7	3.0	12.0	10.9
164	Total income (155 + 159 + 162 + 163)	79.9	19.7	108.0	101.9
165	Deficit (+) or surplus (-) (233)	+ 6.7	+0.3	+15.7	+ 6.5
	Total income and net borrowing (164 + 165)	86.6	20.0	123.7	108.4

TABLE 2.11G. System of Nine Accounts, 1960 Income and Outlay Account – Federal Government

Item No.		New- foundland	Prince Edward Island	Nova Scotia	New Brunswick
110.			millions o Dr. Ou		
166 167 168	Goods and services purchased from industries (35)	24.4 22.7 0.7	10.9 9.0 0.3	54.8 110.7 1.5	19.2 43.5 0.9
169	Total expenditure on goods and services (166 + 167 + 168)	47.8	20.2	167.0	63.6
170	Transfers paid	(104.8)	(26.4)	(167.3)	(131.5)
171 172 173 174 175	To: Households (89) Education (102) Hospitalization (116) Municipal governments (138) Provincial government (163) Rest of the world (subsidy on coal exports to Central Canada)	46.9 1.3 5.1 0.2 51.3	13.8 0.3 1.2 0.1 11.0	83.4 3.3 15.1 2.5 54.1	68.2 2.4 10.8 2.8 47.0
170	(223)	_	_	8.9	0.3
177	Total outlay (169 + 170)	152.6	46.6	334.3	195.1
			Cr. Inc	ome	
178 179 180 181 182 183 184 185 186	Receipts from: Industries Indirect taxes (15) Less: Subsidies (18) Corporate income tax (7) Households Indirect taxes (59) Personal income tax (66) Provincial government (153) Municipal government (131)	(5.1) 0.6 - 9.0 13.5 (29.2) 9.1 20.1 0.8 0.2	(-1.1) 0.2 -3.0 1.7 (8.1) 5.5 2.6 0.1	(3.8) 1.2 - 15.1 17.7 (103.6) 57.7 45.9 2.1	(8.5) 1.0 - 8.0 15.5 (72.8) 38.0 34.8 1.2
187	Total income (178 + 182 + 185 + 186)	35.3	7.1	109.5	82.5
188	Excess of federal government spending over federal government receipts (235)	+117.3	+ 39.5	+ 224.8	+ 112.6
	Total income plus net federal government fiscal transfer to the Province (187 + 188)	152.6	46.6	334.3	195.1

TABLE 2.11H. System of Nine Accounts, 1960 Income and Outlay Account — Rest of the World

Note: All transactions non-resident to the province, except for Federal Government.

Item		New-	Prince	Nova	New
No.		foundland	Edward Island	Scotia	Brunswick
		Dr. Pa	yments of non- (receipts of th		actors
189	Payments to industries: Exports of goods and services (39) To: Foreign countries (40) Nova Scotia (41) New Brunswick (42) Prince Edward Island (43) Newfoundland (44) Rest of Canada (45) To households:	(186.8)	(38.2)	(315.7)	(321.3)
190		152.6	6.7	107.6	125.3
191		17.9	7.4	-	34.3
192		0.9	3.6	38.1	-
193		0.4	-	9.2	9.9
194		-	4.7	24.3	14.7
195		15.0	15.8	136.5	137.1
196	Purchases by non-resident tourists routed through household account (30, 53) Total exports (189 + 196)	2.8	6.2	15.5	15.3
197		189.6	44.4	331.2	336. 6
198 199	Transfers to households (remittances, gifts and miscellaneous property income) (90) Deficit of the province on current transactions with "rest of the	7.0	2.5	18.0	10.8
200	World" (234)	161.1 357.7	46.0 92.9	280.0 629.2	142.5 489.9

TABLE 2.11H. System of Nine Accounts, 1960 – Concluded Income and Outlay Account – Rest of the World

Item No.		New- foundland	Prince Edward Island	Nova Scotia	New Brunswick
		Cr. Re	eceipts of non-re-	sident transa	ctors
201 202 203 204 205 206 207 208 209 210 211 212 213 214 215	Receipts from sale of: Competitive imports to industries (46) Origin: Nova Scotia (47) New Brunswick (48) Prince Edward Island (49) Newfoundland (50) All other (51) Non-competitive imports To: Industries (21) Households (60) Education (96) Hospitalization (110) Municipal governments (124) Provincial government (146) Federal government (168) Tourist expenditures by households out of province (63)	(167.6) 11.7 9.1 4.6 142.2 (124.2) 60.6 58.9 0.6 1.9 0.2 1.3 0.7 4.6	(46.6) 5.5 8.1 0.4 32.6 (38.8) 20.3 16.6 0.5 0.6 0.1 0.4 0.3 1.6	(305.0) - 34.3 7.4 10.8 252.5 (225.0) 137.6 78.6 1.7 4.2 0.7 0.7 1.5 12.2	(234.4) 36.1 3.6 0.9 193.8 (187.4) 118.8 58.0 1.4 4.0 0.8 3.4 0.9 16.2
216	Total imports (201 + 207 + 215)	296.4	87.0	542.2	438.0
217 218 219 220 221 222 223	Remittable and remitted profit and interest Received from: Industries (5 + 10) Education (95) Hospitalization (109) Municipal governments (123) Provincial governments (145) Subsidy from federal government on coal exports to Central Canada (176) Total (216 + 217 + 223)	(61.3) 56.4 1.7 0.1 0.8 2.3 - 357.7	(5.9) 4.0 0.2 0.3 0.5 0.9	(78.1) 68.7 1.4 0.4 2.0 5.6 8.9 629.2	(51.6) 42.1 1.6 1.1 2.4 4.4 0.3 489.9

TABLE 2.11I. System of Nine Accounts, 1960 Consolidated Capital Finance Account

Item No.		New- foundland	Prince Edward Island	Nova Scotia	New Brunswick
110.			millions of	dollars	
			Dr. Dispo	sition	
224 225	Industries: Gross fixed capital formation (37)	108.1 7.9	24.4	177.2	130.8
226	Gross domestic capital formation (36)	116.0	26.1	182.9	142.0
			Cr. Sou	ırce	
228 229 230 231 232 233 234 235	Personal saving (including retained earnings of locally controlled business) (68) Capital consumption allowances – Industries (19) Deficit (-) or surplus (+) of provincial public sectors (230 + + 233) Education (104) Hospitalization (118) Municipal governments (140) Provincial government (165) Deficit of the province on current transactions with "rest of the world" (199) Deduct: Excess of federal government spending over federal government receipts (188) Net capital inflow from "rest of the world" not covered by federal government transfers (234-235) Finance of gross domestic capital formation (227 + + 235)	29.6 51.3 (- 8.7) 1.5 0.4 0.1 6.7 161.1 117.3 (43.8)	7.5 13.9 (-1.8) -0.6 0.9 0.3 46.0 39.5 (6.5)	59.9 92.7 (- 24.9) 3.5 0.5 5.2 15.7 280.0 224.8 (55.2)	36.5 90.1 (-14.5) 3.9 2.8 1.3 6.5 142.5 112.6 (29.9)

TABLE 2.12 A. Domestic Product and Expenditure, 1960 Newfoundland

Dr. Gross Domestic Product	Millions of dollars	Cr. Expenditure on the Gross Domestic Product	Millions of dollars
Add: Wages and salaries and SLI (1 + 92 + 106 + 120 + 142 + 167)	290.7 42.1 77.0 31.1	Personal consumption before adjustment ^{1,2} (61)	382.9 87.0
Net Domestic Product at factor cost	440.9	Expenditure on goods and services by federal government (169)	47.8
Plus: Indirect Taxes (12 + 54)	46.0	Gross domestic capital formation (36, 226)	116.0
Less: Subsidies (17 + 18 + 223)	- 9.5	Exports:3	
Equals:	477.4	Foreign countries (40, 190)	152.6 34.3
Net Domestic Product at market prices Plus: Capital consumption allowances (19) Equals:	51.3	Less: Imports ²	(- 291.9) - 167.7 - 124.2
Gross Domestic Product at market prices	528.7	Expenditure on the Gross Domestic Product at market prices	528.7

Includes purchases by non-resident tourists.
 Excludes resident tourist expenditures out of province.
 Excludes purchases by non-resident tourists.

TABLE 2.12 B. Domestic Product and Expenditure, 1960 Prince Edward Island

Dr. Gross Domestic Product	Millions of dollars	Cr. Expenditure on the Gross Domestic Product	Millions of dollars
Add: Wages, salaries and SLI (1 + 92 + 106 + 120 + 142 + 167)	52.5 27.6 8.7 7.9	Personal consumption before adjustment ^{1,2} (61) Expenditure on goods and services by provincial public sectors (97 + 111 + 125 + 147)	101.2
Equals: Net Domestic Product at factor cost	96.7	Expenditure on goods and services by federal government (169)	20.2
Indirect taxes (12 + 54)	17.6	Gross domestic capital formation (36, 226)	26.1
Subsidies (17 + 18 + 223)	- 3.0	Exports ³ To: Foreign countries (40, 190)	6.7
Net Domestic Product at market prices	111.3	Canada (41 + + 45)	31.5
Plus: Capital consumption allowances (19)	13.9	Less: Imports ² Competitive imports (201) Non-competitive imports (207)	(- 85.4) - 46.6 - 38.8
Equals:			5000
Gross Domestic Product at market prices	125.2	Expenditure on the Gross Domestic Product at market prices	125.2

Includes purchases by non-resident tourists,
 Excludes resident tourist expenditures out of province.
 Excludes purchases by non-resident tourists.

TABLE 2.12 C. Domestic Product and Expenditure, 1960 Nova Scotia

Dr. Gross Domestic Product	Millions of dollars	Cr. Expenditure on the Gross Domestic Product	Millions of dollars
Add: Wages, salaries and SLI (1 + 92 + 106 + 120 + 142 + 167)	615.1 104.2 100.3 66.4	Personal consumption before adjustment ^{1,2} (61) Expenditure on goods and services by provincial public sectors (97 + 111 + 125 + 147)	799.6 185.7
Net Domestic Product at factor cost Plus:	886.0	Expenditure on goods and services by federal government (169)	166.9
Indirect taxes (12 + 54)	157.6	Gross domestic capital formation (36, 226) Exports ^{3,4} To:	182.9 (306.8)
Equals: Net Domestic Product at market prices	1,019.2	Foreign countries (40, 190)	107.6 199.2
Plus: Capital consumption allowances (19) Equals:	92.7	Less: Imports ²	(- 530.0) - 305.0 - 225.0
Gross Domestic Product at market prices	1,111.9	Expenditure on the Gross Domestic Product at market prices	1,111.9

1 Includes purchases by non-resident tourists.
2 Excludes resident tourist expenditures out of province.
3 Excludes purchases by non-resident tourists.
4 Excludes \$8.9 million federal subsidy on coal shipments.

TABLE 2.12 D. Domestic Product and Expenditure, 1960 New Brunswick

Dr. Gross Domestic Product	Millions of dollars	Cr. Expenditure on the Gross Domestic Product	Millions of dollars		
Add: Wages, salaries and SLI (1 + 92 + 106 + 120 + 142 + 167) Unincorporated income (2) Corporate profit Rent and interest (3 + 93 + 107 + 121 + 143)	425.0 83.9 65.5 66.8	Personal consumption before adjustment ^{1,2} (61)	591.3 156.2		
Equals: Net Domestic Product at factor cost	641.2	Expenditure on goods and services by federal government (169)	63.6		
Plus: Indirect taxes (12 + 54)	129.5	Gross domestic capital formation (36, 226)	142.0		
Less: Subsidies (17 + 18 + 223)	- 8.5	Exports ^{3,4}	(321.0)		
Equals:		Foreign countries (40, 190)	125.3 195.7		
Net Domestic Product at market prices Plus: Capital consumption allowances (19)	762.2 90.1	Less: Imports ²	(- 421.8) - 234.4 - 187.4		
Equals: Gross Domestic Product at market prices	852.3	Expenditure on the Gross Domestic Product at market prices	852.3		

1 Includes purchases by non-resident tourists,
2 Excludes resident tourist purchases out of province.
3 Excludes purchases by non-resident tourists.
4 Excludes \$300,000 federal subsidy on coal shipment.

TABLE 2.13 A. Provincial Disposable Income, 1960 Newfoundland

Disposition	Millions of dollars	Source	Millions of dollars
D 1		Wages, salaries and SLI	290.7
Personal expenditure on consumer goods and services:		Unincorporated income profits and investment	42.1
Industries	288.2	Income originating in:	102.1
Non-competitive imports	63.5	Corporate industries	102.1
Indirect taxes	33.0	Local government	3.7
		Net Domestic Product at factor cost	(440.8)
Total	384.7	Add:	
		Total indirect taxes	46.0
		Less:	
Local governments expenditure on goods and		Indirect taxes to federal government	- 9.7
services:	0.04	Deduct: Total subsidies	- 9.5
On own output	38.1	Add:	9.5
Industries	44.8	Subsidies from federal government	9.0
Non-competitive imports	4.0	Add:	
	06.0	Transfers from federal government	104.8
Total	86.9	Property income, wages, salaries and transfers	7.0
		from rest of the world	7.0
Canina	1	Deduct: Interest from industries to rest of the	
Saving:	29.6	world	- 12.8
Personal saving	- 8.7	Profits from industries to rest of the world	- 43.6
Local governments	0.7	Interest from local governments to rest of the world	- 4.9
Total	20.9	Transfers from local governments to rest of	7.7
AV1002	2015	the world	- 1.0
		Direct taxes to federal government	- 33.6
Provincial disposable income	492.5	Provincial disposable income	492.5

TABLE 2.13 B. Provincial Disposable Income, 1960 Prince Edward Island

Disposition	Millions of dollars	Source	Millions of dollars
		W. L. LOTT	-0.5
Personal expenditure on consumer goods		Wages, salaries and SLI	52.5
and services:		Unincorporated income, profits and investment	27.6
Industries	65.5	Income originating in: Corporate industries	14.2
Non-competitive imports	18.2	Local government	2.4
Indirect taxes	12.8	Sub-total:	
m	1	Net Domestic Product at factor cost	(96.7)
Total	96.5	Add:	
		Total indirect taxes	17.6
T 1	1	Less:	
Local governments expenditure on goods and services:	1	Indirect taxes to federal government	- 5.7
On own output	10.5	Total subsidies	- 3.0
Industries		Add:	5.0
Non-competitive imports	1.6	Subsidies from federal government	3.0
	1.0	Add:	
Total	24.9	Transfers from federal government	26.4
		Property income, wages and salaries and transfers from rest of the world	2.5
		Deduct:	2.5
Saving:		Interest from industries to rest of the	
Personal saving	7.5	world	- 2.3
Local governments	- 1.8	FIGURES ITOM industries to rest of the world	- 1.7
		Interest from local governments to rest of the world	- 2.0
Total	5.7	I failstell from local governments to rest of	2.0
		the world	- 0.1
Description to the control of the co	107.1	Direct taxes to federal government	- 4.3
Provincial disposable income	127.1	Provincial disposable income	127.1

TABLE 2.13 C. Provincial Disposable Income, 1960 Nova Scotia

Disposition	Millions of dollars	Source	Millions of dollars
Personal expenditure on consumer goods and services:		Wages, salaries and SLI	651.1
Industries	603.7	Unincorporated income, profits and investment	104.2
	0001,	Income originating in:	
Non-competitive imports	90.8	Corporate industries	147.3
Indirect taxes	101.8	Local government	19.4
Total	796.3	Sub-total: Net Domestic Product at factor cost Add:	(886.0)
Local governments expenditure on goods and		Total indirect taxes	157.6
services:		Less: Indirect taxes to federal government	- 58.9
On own output	92.5	Deduct:	30.9
Industries	85.8	Total subsidies	- 15.5
Non-competitive imports	7.3	Subsidies from federal government	15.1
Non-competitive imports	7.5	Add:	10.1
Total	185.6	Transfers from federal government Property income, wages and salaries and trans-	158.4
Saving:		fers from rest of the world	18.0
Personal saving	59.9	Deduct: Interest from industries to rest of the world	- 18.2
Local governments	- 25.0	Profits from industries to rest of the world	- 18.2 - 50.5
Local governments	- 23.0	Interest from local governments to rest of the	
Total	34.9	world	- 9.5
		world	- 2.1
		Direct taxes to federal government	- 63.6
Disposable income	1,016.8	Provincial disposable income	1,016.8

TABLE 2.13 D. Provincial Disposable Income, 1960 New Brunswick

Disposition	Millions of dollars	Source	Millions of dollars
Personal expenditure on consumer goods and services:		Wages, salaries and SLI	425.0
Industries	433.3	Unincorporated income, profits and investment Income originating in:	83.9
Non-competitive imports	74.2	Corporate industries	112.7
Indirect taxes	84.8	Local government	19.7
Total	592.3	Net Domestic Product at factor cost Add:	(641.3)
		Total indirect taxes	129.5
Local governments expenditure on goods and services:		Less: Indirect taxes to federal government	- 39.0
On own output	74.9	Deduct: Total subsidies	- 8.2
Industries	71.6	Add: Subsidies from federal government	8.0
Non-competitive imports	9.7	Add:	
Total	156.2	Transfers from federal government	131.2
Saving:		fers from rest of the world	10.8
Personal saving	36.5	Deduct: Interest from industries to rest of the world	- 21.7
Local governments	- 14.5	Profits from industries to rest of the world Interest from local governments to rest of the	- 20.4
Total	22.0	world	- 9.5
		the world	- 1.2 - 50.3
Provincial disposable income	770.5	Provincial disposable income	770.5

TABLE 2.14. Balance of Payments, Atlantic Provinces, 1960

	New- found- land	Prince Edward Island	Nova Scotia	New Bruns- wick
	millions of dollars			
Receipts of residents:				
From:				
Federal government	(160.9)	(49.3)	(339.0)	(201.9)
Sales of goods and services by industries (166)	24.4	10.9	54.8	19.2
Wages, salaries and SLI (167)	22.7	9.0	110.7	43.5
Subsidies to industries (180)	9.0	3.0	15.1	8.0
Transfers to households (171)	46.9	13.8	83.4	68.2
Transfers to provincial public sectors (172+	57.9	12.6	75.0	63.0
From:				
Rest of the world	(196.6)	(46.9)	(349.2)	(347.4)
Exports including tourism (189 + 196)	189.6	44.4	331.2	336.6
Transfers to households (remittances, gifts, miscellaneous property income) (198)	7.0	2.5	18.0	10.8
Net capital inflow from rest of the world not covered by federal government transfers	43.8	6.5	55.2	29.9
Total receipts of residents	401.3	102.7	743.4	579.2
Payments by residents:				
То:				
Federal government	(44.3)	(10.1)	(124.6)	(90.5)
Direct and indirect taxes paid by:				
Industries (179 + 181)	14.1	1.9	18.9	16.5
Households (182)	29.2	8.1	103.6	72.8
Transfer from provincial government (185)	0.8	0.1	2.1	1.2
Transfer from municipal government (186)	0.2	_		_
То:				
Rest of the world	(357.0)	(92.6)	(618.8)	(488.7)
Competitive imports (by industries) (201)	167.6	46.6	305.0	234.4
Non-competitive imports (excluding federal government) (207 less 214)	123.5	38.5	223.5	186.5
Tourist expenditures by households out of province (215)	4.6	1.6	12.2	16.2
Remittable and remitted profit and interest (217).	61.3	5.9	78.1	51.6
Total payments by residents	401.3	102.7	743.4	579.2

CHAPTER 3

THE INPUT-OUTPUT TRANSACTION ACCOUNTS



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Complete solution input-output models of the type pioneered by Leontief are admittedly simplistic. Structural relations of proportionality are locked into the models in the form of fixed coefficients. Despite the simplicity of the model, however, input-output analysis has established itself as a powerful technique for exploring relations of interdependence between economic activities and has found many and varied applications in scores of countries. 2

Academic purists have, for decades, scoffed at the proportionality assumptions of the Leontief model. while input-output research has laboured diligently to assemble the large quantities of information which these systems demand. The resources available to industrial and governmental bureaucracies make it feasible to achieve a high degree of disaggregation in data compilation and great speed in the processing of large systems. These developments hold out the possibility of closing the gap between assumptions made and the likely behaviour of economic transactions. The final breakthrough in the transition from the original Leontief models will come when we are able to devise systematic procedures which change structural coefficients in response to changes in the levels of activity and prices so as to simulate solutions which conform to the social and economic environment (including the constraints) within which the model is set. Such systems will require much more information than the conventional Leontief models. Moreover, there is scope here for the exercise of insights which combine a mastery of techniques with a full understanding of the technological and behavioural relationships of the particular economy for which a simulation model is built. As P.N. Mathur commented in his introduction to the first of the two volumes of papers presented at the Fourth International Conference on Input-Output Techniques in Geneva in January 1968: "The great beauty of Leontief's system is that it gives meaningful results after systematically emcompassing many thousands of separate bits of information simultaneously without losing sight or sacrificing the individuality of a single term. It can assimilate very specific

ideas provided they are themselves empirically articulated and nothing definitely known need be ignored in interpreting the results. Naturally, more and more practical users, organizations and governments are turning to this tool to solve their practical economic problems. Even more important Leontief has supported a genuine scientific tradition in economic analysis. His philosophy of research will make it possible to sustain, to extend, and some day to surpass the very deep economic insights that he has contributed" (5).

From the start, our system of accounts for the Atlantic Provinces was designed to lead towards a planning model in which the structural parameters and coefficients of the system could be changed in response to changes in exports and personal consumption, given capacity constraints, available new technologies, fiscal structure, governmental priorities and available sources of finance:

"The type of accounting framework we have constructed suggests experiments along lines of iterative and mathematically incomplete solutions of a type which has been made feasible by modern computer techniques. One would here be concerned with the medium run, meaning a time period of perhaps three to five years. In such a perspective, investment is no longer autonomous but will bear a relationship to projected changes in external and personal expenditures; investment will also generate technical progress which must be reflected in the technical coefficients of the industries. The input-output system is essentially a static global equilibrium system with no time dimension and with a complete solution. For purposes of exploring the application of inputoutput analysis to rational development planning one must go beyond the limitations of static general equilibrium analysis; one must reach in the direction of moving solutions - with a time dimension in which parameters and coefficients are changing along the way and which more closely approximate the real world in which, as is well known, general equilibrium is never reached ... " (21).

The theoretical basis for these new developments in input-output analysis was laid by the work of many scholars, including Ragnar Frisch, (15) Richard Stone (45,46) and Tadek Matuszewski (32,33,34,37). Frisch's Real Financial Interflow Table opened visions of possibilities which promise realization. Stone's more pedestrian but systematic investigations of methods for generating input structures by combining data on the output of commodities by industries with data on the

Although it is possible to follow this chapter without prior familiarity with input-output analysis, the uninitiated is advised to consult standard textbooks. At the introductory level W. Miernyk's *The Elements of Input-Output Analysis* is lucid and readable (38). A more comprehensive treatment is contained in Chenery-Clark, *Inter-Industry Economics* (8). See also Chapter 3 of *The Input-Output Structure of the Canadian Economy*, 1961 (13).

²For a convenient overview of input-output theory and practice see reports of the International Conferences on Input-Output Techniques; (3,4,5,6). See also Input-Output Bibliographies prepared jointly by the Harvard Economic Research Project and the Statistical Office of the United Nations (42,47, 48,49,50).

use by industries of commodities opened up the question of the influence of a changing commodity composition of output on input requirements.³ Matuszewski acted on the simple but very useful proposition that the assumption of constant market shares — which in itself is a sensible one — releases input-output analysis from the traditional constraint of square input matrices. Operating simultaneously in commodity and industry space, he demonstrated a technique for effecting changes in market share and input coefficients which liberate input-output analysis from the straightjacket of proportionality.⁴

The work of Matuszewski and his colleagues had an important influence on the Dominion Bureau of Statistics, where the imaginative direction and theoretical contribution of Mr. T. Gigantes placed input-output compilation and analysis on the international frontiers of input-output development and research (16,17,18,19). Our association at Statistics Canada with Mr. Gigantes since the mid-1960's has resulted in continuous collaboration and discussion which has been of invaluable mutual benefit.

The Atlantic Provinces input-output models will, we hope, prepare some of the ground work for simulation models of provincial economic systems. Having said this, we hasten to record that the input-output models developed in this study are general solution models of the Leontief type.

Within these limitations however, we have made improvements which exploit to the full the possibilities of conventional models. Improvements are made in four directions.

- 1. The system is extended to comprise both commodities and industries. As a result the input matrix is no longer constrained to be square and all impact calculations can be obtained both in commodity and in industry space.
- 2. Final demand categories are normalized to yield spending patterns, analogous to industry input coefficients. The complete solution yields the impact

- of these spending patterns on commodity requirements, 'industry output levels, primary inputs, imports, employment, etc.
- 3. The system is progressively closed: first, with respect to households and subsequently also with respect to the revenues and expenditures of local public sectors. The effect of this last step is to reduce "leakages" to imports, remittances to the federal government and depreciation. This third version of the complete system takes us one step nearer to tracing income-to-expenditure relationships through the fiscal system.
- 4. The system is fully inter-regional with respect to the four Atlantic Provinces, i.e., the exports of each of the four Atlantic Provinces to each of the others are the imports of each of the four from the others. While inter-provincial commodity movements within the Atlantic Provinces are small, the model, if extended to all Canadian provinces provides a full inter-regional system.

Our desire to build an input-output model embodying these four features governed the choice of accounting framework outlined in Chapter 2. Indeed, all categories of the flow accounts for the base years 1960 and 1965 are essential to the implementation of the model.

The system was from the start, designed as a technical aid to economic policy-making. The work done in elaborating final demand spending patterns indicates the possibility of disaggregating these in a number of directions. Even more interesting, perhaps, is the advance made in transforming income generated, both in households and in the revenue account of provincial and municipal governments into expenditures on goods and services.

Finally, the use of market share and import coefficients in directing requirements for commodities toward demand for the output of industries (or imports) opens the way to devising a systematic procedure whereby the coefficients could be changed as part of a simulation model.

II. THE DESIGN OF THE INPUT-OUTPUT FLOW ACCOUNTS

The input-output accounts which are presented here constitute an expansion of the system of accounts of the previous chapter. They record the value of individual commodities produced, imported, exported and used within the provincial economy; and the cost items incurred in the industries which produce these commodities.

³ See Stone, Input-Output Relationships 1954-1966 (45). We use a diagrammatic schema to explain the format of the input-output accounts. Each block, or matrix, represents a major component, or subcomponent of the system. In line with the method of presentation used in the previous chapter we present the (aggregated) account of the province of Nova Scotia (12 x 12), 1965 as an illustrative example. In addition, we present the (aggregated) account of the Atlantic Region as a whole (12 x 8). In both cases the flow tables are inputs of commodities to industries and outputs of commodities by industries. In the Atlantic Region example, however, the rectangular nature of the system

⁴ See Matuszewski, "Modifiable Rectangular Input-Output Matrices" (37).

is more readily discernible. The illustrative examples are intended to assist the reader to find his way through the thickets of matrix algebra in Chapter 4 without losing track of the economic meaning of the exercise. In addition to the two sets of illustrative flow accounts presented in Section IV of this chapter, the flow tables for each of the four Atlantic Provinces for 1965 and for the region as a whole are presented as a tabular appendix to this volume.⁵

In the diagrams which follow and throughout the remainder of this study matrices are denoted by capital letters and vectors by lower case letters. Column vectors are unprimed; row vectors are primed. Symbols have

been assigned only to those vectors which are necessary to the exposition of the analytical models.⁶

Outputs and Supply

The basic data input consists of the flow matrices J and M. All other variables, such as domestic commodity outputs q, industry outputs g, total competitive imports of commodities m, total supply z etc, are defined in terms of J and M.

- J (n x m) is the matrix of outputs of one or more of m commodities produced by one or more of n industries.
- 2. M (s x m) is the matrix of competitive imports of commodities supplied by one or more of s sources.

Industry

CHART 3.1

Outputs and Supply

	1 Commodities m	outputs
Industries	1	g
Total commodity outputs	q'	
		Total imports
Sources of competitive imports	1	S
Total competitive imports	m'	
Total supply	z'	

⁵ Impact tables for 1965 and comparable tables for 1960 will be published in Volume II of this study. Definitional and conceptual differences between the flow tables for 1960 and 1965 are discussed in Volume II which summarizes the methods of construction of the flow tables.

⁶ Vectors to which no specific symbols have been assigned are described by summation. e.g., the (column) vector of the row sums of a matrix A having m rows and n columns is Ain; the (row) vector of the column sums is i'mA.

- 3. q' = i'n J is the set of domestically produced commodity outputs.
- 4. $g = Ji_m$ is the set of industry outputs. Each entry represents the value of output of one of the n industries in the system. It is self evident that $i'_n g = q'^i m$.
- 5. m' = i'_SM is the set of total competitive imports from all sources. Each entry represents the competitively imported supply of one of the m commodities of a type and kind similar to the corresponding locally produced commodities.
- 6. z' = q' + m' is the row vector of total supply of each of the m commodities in the system.

7. Finally s = Mi_m is a column vector of aggregate competitive imports by source.

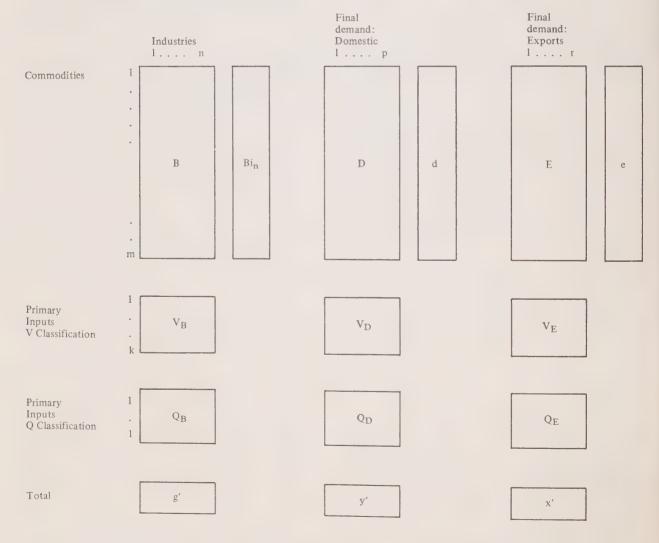
Inputs and Demand

The basic data input here consists of the flow matrices B, D, E, and VB, VD and VE. Variables d and e are derived from D and E and matrices QB, QD, and QE are rearrangements of VB, VD and VE.

8. B(m x n) is the matrix of inputs of m commodities into each of the n industries. The total supply of each of the m commodities is recorded in the matrices J and M. The matrix B therefore does not indicate whether a purchase by an industry was supplied from other domestic industries or from competitive imports.

CHART 3.2

Inputs and Demand



The accounting identity of commodities in the system evidently is:

$$z \equiv q + m \equiv Bi_n + d + e \equiv z$$

- 9. D(m x p) is the matrix of requirements of each type of domestic final use.
- 10. E(m x r) is the matrix of commodity requirements of each category of exports.
- 11. d = Dip is the vector of commodities required by all domestic final users.
- 12. $e = Ei_r$ is the vector of commodities required by all categories of exports.
- 13. $z = Bi_n + d + e$ is the vector of commodities demanded for all uses, i.e. total intermediate, domestic final and exports use.
- 14. VB (k x n) is the matrix of k primary inputs to each of the n industries. The primary inputs are arranged by type of factor income, type of indirect tax or subsidy, etc.
- 15. VD and VE are matrices of k primary inputs to the set of p domestic users and the set of r export categories, respectively.
- 16. Evidently $g' = i(m + k) \stackrel{B}{\dots}$ is the row vector of in- V_B dustry outputs

$$y' = i(m + k) \frac{D}{V_D}$$
 is the row vector of total V_D final domestic expenditure categories.

$$x' = i(m + k) \frac{E}{V_E}$$
 is the row vector of exverges by destination.

17. QB, QD and QE are, as stated above, re-arrangements of primary inputs, classified according to the income-outlay accounts of Chapter 2, e.g., provincial government, federal government, rest of the world, etc.

Evidently
$$i'_kV_B = i'_lQ_B$$

 $i'_kV_D = i'_lQ_D$
 $i'_kV_E = i'_lQ_E$

Balance of Supply and Demand

18. Total supply z' is equal to total demand, i.e. i'_n B' + d' + e' where i'_n B' is the set of total intermediate uses of commodities, d' are total commodity requirements for final domestic use and e' are total commodity requirements for export.

III. DIMENSIONS AND CLASSIFICATIONS OF THE ATLANTIC PROVINCES FLOW TABLES 1960 AND 1965

Although the 1960 transaction accounts for each of the four Atlantic Provinces were initially constructed at the level of 180 major commodities (excluding non-competitive imports) and 97 intermediate activities (industries), the requirements of reliability in the balancing of supply and demand throughout the interregional system of accounts, subsequently forced us to

reduce industry dimensions from 97 to 71. All commodities in the system were initially coded to a principal industry classification of 97 such industries. Listings of classifications of commodities and industries are found in the Appendix to this chapter. In these listings the industry numbering of our tables is cross-classified to the Standard Industrial Classification of Statistics Canada.

Dimension of Commodity by Industry Transaction Matrices (J and B)

Input-output tabulations	Atlantic Region	New- foundland	Prince Edward Island	Nova Scotia	New Brunswick
1. Original tabulation (1960)	71 × 71	1	1	1	1
2. Non-confidential, 1960 (large) aggregation		47 × 47	41 x 41	58 x 58	56 x 56
3. Non-confidential, 1960 (small) aggregation	34 x 34	31 x 31 55 x 55	29 x 29 47 x 47	33 x 33	33 x 33 68 x 68
4. Revised (confidential) (1965) 5. Non-confidential, 1965 (small) aggrega-	71 × 71	31 x 31	29 x 29	33 x 33	33 x 33
6. Illustrative aggregation (1965)	12 x 8			12 x 12	

¹ No longer available.

In the above inventory of Atlantic Provinces input-output tables, each transaction table consists of a pair of two tables, one recording the output of commodities by industries, and the other the input of commodities into industries and into final using sectors. Commodities were aggregated on a "principal products of industry" basis and the number of commodities are consequently equal to the number of industries.

A full system of four Atlantic provincial inputoutput flow tables with estimates of inter-provincial movements of goods within the Atlantic Region was initially completed for the year 1960. Definitions were standardized for all four Atlantic Provinces. While most of the 71 industries of the system existed in each of the four provinces, some did not. For this reason the dimensions of the tables are of necessity different in each of the four Atlantic Provinces. Where an industry does not exist in any particular Atlantic Province, it is removed from the matrices J and B and the commodities which are produced by this industry in other Atlantic Provinces are re-defined as a non-competitive import to the province which uses them but does not produce them. Commodities which are not produced in any of the four Atlantic Provinces at all are, of course, also defined as non-competitive imports. The individual provincial tables, based on the original (confidential) tabulations for 1960, varied in dimension according to the industrial structure of each of the four provinces. Flow tables and analytical models for individual provinces for 1960 are no longer available on the full (confidential) range of industries and commodities for 1960.

The most detailed tables available for 1960 are the so-called non-confidential (large) tabulations. In these tables the level of aggregation is governed by the requirements of the Statistics Act and the co-operation of respondents who granted permission to publish data. Where authorization of publication could not be obtained from the respondents, further aggregation had to be undertaken in order to achieve compliance with the Statistics Act. Thanks to the generous co-operation of the great majority of the firms from whom permission was requested, the non-confidential 1960 tables show a great deal of commodity and industry detail. These 1960 tables were later aggregated to a standard 34 x 34 basis, in order to achieve comparability with the 1965 tables. The full set of analytical models for 1960 is thus available for both the "large" (non-confidential) and "small" (non-confidential) dimensions.

In updating and revising the tables from the 1960 to the 1965 basis, we began with the original (confidential) 1960 (71 x 71) tables. After removing industries which did not exist in any one particular province, and adding industries which came into existence between 1960 and 1965 we arrived at detailed tables for 1965 of dimension similar to the confidential (large) 1960 tables. While analytical results are available at this level of

detail, the transaction flow matrices are confidential under the terms of the Statistics Act and cannot, for this reason, be reproduced here.

In 1965 we did not succeed in obtaining the permission (clearances) necessary to publish transaction tables in the detail possible for 1960. The dimensions of the largest non-confidential (transactions) matrices consistent with the requirements of the Statistics Act vary substantially from province to province. These dimensions reflect the varying degrees of success achieved by Statistics Canada and co-operating provincial government agencies in the Atlantic Provinces concerning the release of data pertaining to 1965. Available (i.e., non-confidential) transaction flow accounts are significantly more detailed in the cases of Nova Scotia and Newfoundland than they are in the cases of New Brunswick and Prince Edward Island. In these latter two provinces, the refusal by a small but crucial number of firms to grant consent to the release of certain 1965 data makes it impossible to publish the full set of inter-industry flow transactions which we have compiled at Statistics Canada. As was stated earlier, analytical results are not confidential and thus available at a greater level of detail.

Final Using Sectors

As regards final using sectors, all our transaction tables contain a uniform set of 15 final using sectors composed of 9 domestic and 6 export activities.

Domestic Final Using Sectors (D) are:

- 1. Personal consumption (inclusive of expenditure by foreign tourists)
- 2. Capital formation (exclusive of government capital formation)
- 3. Inventory change
- 4. Federal government Defence
- 5. Federal government Civil
- 6. Provincial government (current and capital)
- 7. Municipal government (current and capital)
- 8. Education (current and capital)
- 9. Hospitalization (current and capital)

Export activities (E) are:

- 10. Exports to foreign countries
- 11. Exports to the rest of Canada (excluding the Atlantic Region)
- 12. Exports to Nova Scotia
- 13. Exports to New Brunswick
- 14. Exports to Prince Edward Island
- 15. Exports to Newfoundland

Primary Inputs

Primary Inputs of type VB, VD, VE were originally classified in 15 mutually exclusive categories (with appropriate sub-totals such as "factor income").

- 1. Wages and salaries
- 2. Unincorporated business income
- 3. Profit
- 4. Rent and interest
- 5. Depreciation
- 6. Taxes Municipal
- 7. Taxes Provincial (fuel)
- 8. Taxes Provincial (general)
- 9. Taxes Federal
- 10. Subsidies Provincial
- 11. Subsidies Federal
- 12. Education and hospital charges
- 13. Non-competitive imports⁷ (originating outside the Atlantic Region)
- 14. Non-competitive imports⁷ (originating in some other Atlantic Province) (listed and itemized)
- 15. Employment (in numbers)

In the version QB, QD and QE, the first 14 items of V were re-arranged into the following categories:

- 1. Household income
- 2. Provincial revenue (net of subsidies)
- 3. Federal revenue (net of subsidies)
- 4. Municipal revenue
- 5. Import leakage
- 6. Depreciation

The column sum of primary inputs of Type V is at all times equal to the column sum of primary inputs of Type Q.

Intermediate Commodities and Industries

As indicated above, the number of commodities and industries contained in the final transaction matrices depends on a number of considerations, including (a) the accuracy and detail of the original construction of the accounts; (b) the provisions of the Statistics Act and the degree of co-operation exhibited by respondents and (c) criteria of convenience and comparability.

In Appendix II, the reader will find listings of commodities and industries classified and cross-classified to the corresponding S.I.C. categories. We begin this listing with the set of commodities and industries used to compile the original tables for 1960; we proceed to

the 71 industry classification of the confidential 1960 tables; we then list the categories of the non-confidential (large) tables for 1960; finally we list the categories of the non-confidential (small), so called 34 sector tables. These are the flow tables initially released in the paper delivered by the author in 1969 (22). For 1965 we commence by listing the categories of the largest tables available — which are however non-publishable in flow terms on account of the constraints imposed by the Statistics Act; there follow the categories of the non-confidential (small) or so-called 34 sector aggregations. Eight commodity and industry classification lists are found at the conclusion of this chapter:

- 1. Commodities (180) and industries (97) used to compile the original 1960 tables.
- 2. Industries (71) of the completed (confidential) 1960 tables, (commodities aggregated on a principal products basis of 71 industrial sectors), 1960.
- 3. Industries of the non-confidential (large) transaction tables for each of the four Atlantic Provinces, 1960.
- 4. Industries of the non-confidential (small) transaction tables for each of the four Atlantic Provinces, 1960.
- 5. Commodities (169) used in the compilation of the (confidential) tables for 1965.
- 6. Industries (71) of the completed (confidential) 1965 tables.
- 7. Industries of the confidential (large) transaction tables for each of the Atlantic Provinces, 1965.
- 8. Industries of the non-confidential (small) transaction tables for each of the Atlantic Provinces.

Transaction Flow Tables

In the Appendix to this study we reproduce the input-output transaction flow tables for each of the Atlantic Provinces and for the Atlantic Region as a whole for 1965 in their small (34 x 34) version. We reproduce also the set of five transaction flow accounts for 1960 in the small (34 x 34) dimensions. 8

The reader can satisfy himself that the transaction account for the Atlantic Region as a whole consists of the sum of its four (provincial) components, except in the case of shipments of commodities within the Atlantic Region. Where an exported commodity is the provincial product of an industry which does not exist in the (Atlantic) province of destination; it has been re-classified as a non-competitive import to the province of destination. As a result, the sum of (inter-regional) exports from all Atlantic Provinces to all other Atlantic

⁷ Listing of Non-competitive Import Classes is to be found at the conclusion of this chapter, (Appendix).

⁸ Non-confidential (large) flow tables for each of the four Atlantic Provinces for 1960 are available at Statistics Canada. It should be noted that in these tables secondary and by-products have been transferred to form an amended interindustry flow matrix. These large 1960 tables are the only detailed flow tables for the Atlantic Region which meet the requirements of the Statistics Act with respect to nonconfidentiality.

Provinces will exceed the sum of competitive (interregional) imports into Atlantic Provinces originating from other Atlantic Provinces.

The reader may also satisfy himself that the primary inputs and final demands of each of the transaction tables shown here correspond to the system of provincial accounts as set out in Chapter 2.

In the fifth section of this chapter we outline the methods we used to construct the input-output transaction accounts. Further details regarding data sources are to be found in Volume II which also contains analytical results which derive from our models. (Similar analytical results exist for each of the four Atlantic Provinces, and may be made available to users if demand justifies the expense of re-production.)

IV. ILLUSTRATIVE EXAMPLES OF TRANSACTION TABLES FOR 1965, NOVA SCOTIA (12 x 12) AND ATLANTIC REGION (12 x 8)

In Tables 3.1A and 3.2A we present a transaction account for Nova Scotia as an illustrative example. Commodities and industries have each been aggregated to 12 categories for convenience of presentation. It should be noted that there is no particular reason why the number of industries in the system should equal the number of commodities. Indeed, in the illustrative example pertaining to the Atlantic Region as a whole (Tables 3.1 AR and 3.2 AR) there are eight industries and twelve commodities.

Transaction Matrix Output and Supply Flows (Tables 3.1)

The output matrix J consists of the first 12 rows of Table 3.1 NS. Row 13 shows the supply of domestically produced products; Column 13 shows the output of the industries of Nova Scotia. Thus for example, total output of the agricultural industry is \$62.2 million composed of \$54.1 million of agricultural products, \$3.2 million forest products and \$5.0 million dwelling services. The forest products of \$3.2 million represent the output of farm wood lots; \$5.0 million represent the estimated value of dwelling services provided by farm houses. Thus while the production of agricultural commodities is only \$54.1 million the agricultural industry has an output of \$62.2 million. In the case of the forest industry, we have a somewhat different situation. Here the output of the industry is \$18.0 million, composed of \$17.3 million of logs and \$0.7 million secondary wood products. Total output of primary forest products, however, is \$20.8 million of which \$3.2 million is produced in the agricultural industry.

In other words, the agricultural industry produces secondary products, and forest products are not produced exclusively in the logging industry.

In the case of some industries there exists a one-to-one relationship between industry and commodity. Thus for example, \$21.5 million of food and clothing products are produced in the foods and clothing industry and no other industry produces these products.

To the output of domestically produced commodities found in row 13 are added similar competitively imported commodities, from various sources. Thus, to stay with our example, \$1.6 million agricultural products are imported from New Brunswick, \$5.9 million from Prince Edward Island and \$16.8 million from all other sources. Total imports from all sources were thus \$24.4 million which, when added to domestic supply of \$54.1 million yield a total supply of \$78.5 million. This supply is used to satisfy intermediate demand of \$22.5 million, domestic final demand of \$48.3 million and exports of \$7.7 million. Finally, we may note that total competitive imports by source are obtained in column 13. Thus Nova Scotia's competitive imports from New Brunswick are \$32.3 million, Prince Edward Island \$12.5 million, Newfoundland \$7.5 million and imports from all remaining sources \$383.7 million. (These figures correspond to the aggregative accounts of Chapter 2.) In Table 3.1 AR we have a matrix showing the industrial origin of each of the 12 commodities in the system. In the case of the Atlantic Region as a whole, there is only one source of competitive imports.

Transaction Matrix: Inputs and Demand Flows (Tables 3.2 NS and 3.2 AR

Under columns 1 to 12 of Table 3.2 NS representing industries in Nova Scotia, we have the matrices B, V_B , and Q_B . Thus inputs to the agricultural industry are composed of \$0.3 million agricultural

products, \$0.7 million forestry products, etc. Total intermediate input of commodities to the agricultural industry is \$30.0 million. Primary inputs of \$32.2 million are composed of taxes \$2.3 million, subsidies -\$2.4 million, etc. In terms of the "income-outlay" arrangement of primary inputs, we have household income \$26.9 million; net payments to municipal governments \$2.2 million, etc.

Under columns 13 to 21 representing categories of domestic final demand, we have the matrices D, VD and Op. Thus personal consumption of households uses \$48.4 million agricultural products; \$0.2 million primary forestry products; \$1.7 million primary fish products, etc. Total personal expenditure on goods and services supplied by industries or competitively imported is \$820.7 million. In addition persons also pay \$124.9 million in indirect taxes and purchase \$90.0 million of non-competitive imports. In the matrix On, these latter two items totalling \$214.9 million are re-arranged according to the sector which receives them as income. Row 31 records total expenditure of each of the categories of domestic final demand. Column 22 (rows 1 to 13) is the vector d representing total domestic final demand for each type of commodity. Thus domestic final users purchase \$1,239.8 million goods and services supplied by industries or competitively imported. Column 22 (rows 14 to 26) shows total expenditure by all domestic final users for indirect taxes (\$124.8 million); non-competing imports (\$103.0 million); wages and salaries of public sectors (\$270.4 million), etc.

Under columns 23 to 28, representing exports by destination we find the matrices E, VE and QE. The latter two are normally empty. In the case of Nova Scotia, however, federal subsidies relating to shipments of coal to Central Canada are entered in rows 15 to 25 of column 24. Thus, Nova Scotia's export sales to

Canada (excluding exports to the other Atlantic Provinces) were \$189.9 million. These shipments were composed of \$24.1 million of coal, \$47.6 million of various food and textile products, \$74.6 million steel and metal products, etc. The subsidization of coal shipments to Central Canada of \$14.0 million means that Nova Scotia producers received \$14.0 million more than Central Canadian purchasers paid for the coal. The federal government paid the difference. Total exports, to all destinations were \$378.6 million and vector e yields the commodity composition of these exports (column 29).

We may note that total demand for commodities as shown in column 31 equals total supply as shown in line 20 of Table 3.1 NS. Further, note that the sum of primary inputs into industries of (line 27, column 30) \$1,196.5 million is equal to the final sales of industries \$1,632.4 million (line 13, column 22 plus column 29) less competitive imports of \$435.9 million. Further the sum of all primary inputs \$1,710.8 million (line 27, column 31) equals delivery of all goods and services for final sale, less competitive imports. Thus total final domestic uses (line 31, column 22) of \$1,768.1 million plus total exports (line 31, column 29) of \$378.6 million, less competitive imports of \$435.9 million is equal to \$1,710.8 million. The reader is invited to re-examine the production account of industries in Chapter 2 where current cost of final sales is equal to receipts for final sales less competitive imports (\$1,710.8 million).

Table 3.2 AR shows the same data for the Atlantic Region as a whole. The reader may compare these tables with the accounts for the Atlantic Region (1965) presented in the previous chapter. Clearly the transaction flow accounts are an integral extension of the system of provincial accounts presented in Chapter 2.

V. SUMMARY OF METHODS OF CONSTRUCTION OF THE FLOW ACCOUNTS FOR 1960 AND 19659

Many years ago, at a relatively early stage of our work, a somewhat impatient research assistant leaned back in his chair, put his feet on the desk and announced that he could not understand why it was taking us so long to construct the estimates. The matter is simple, he pronounced: all you people have to do is to draw a large rectangle of rows and columns and proceed to fill in the empty boxes! While the final result is indeed a large matrix of entries, the matter is, unfortunately, not quite so simple. Needless to say the young man in question soon exhausted his patience and that of the research team.

An inter-industry flow table is essentially a double-entry accounting system which records the flow of goods and services between various economic units. Along the rows, we record purchases of locally produced plus imported products, according to sector of purchase, both intermediate and final. Reading down the columns we record the cost structure of producing and final use sectors as reflected in their purchases of intermediate goods and services and primary inputs. The accounting framework of the Atlantic tables embodies the following six main features:

Six Principal Features of the Atlantic Tables

- 1. Separate accounts for each province Because the province is a crucial unit of economic decision making, it was decided from the start to build up all estimates on a provincial basis. While this occasionally created problems of statistical estimation which would not have arisen on a regional basis, (as for instance the difficulty of allocating revenues and costs of air and rail transportation to a province) the errors introduced are considered to be a small price to pay for the advantages of obtaining input-output tables and integrated accounts on a provincial basis.
- 2. Standardization of sectors and estimation of inter-provincial flows From the point of view of the Atlantic Provinces as a region, it obviously makes a difference whether one Atlantic Province tends to import goods from another Atlantic Province, or from a source external to the region. In the former case the benefit

from generated income and employment accrues to another Atlantic Province. In the latter case, the feedback will stimulate incomes and employment in other parts of Canada or in foreign countries. Inter-provincial trade within the region was thus estimated in the finest commodity detail possible. This was in any event necessary to obtain, separately for each province, an estimate of imports from sources external to the Atlantic Region. Four separate input-output tables were constructed in order to permit the exploration of inter-dependence of economic activity within each province and between provinces.

- 3. Policy-oriented selection of final demand sectors Final demand was disaggregated in order to show the commodity composition of exports separately for each of five geographic destinations, and the commodity composition of competitive imports from each of four regions. Public sector expenditures were disaggregated by level of government and, in some cases, by function, such as education and hospitalization.
- 4. Competitive and non-competitive imports distinguished The total absence of direct data on imports either by commodity or by using sector, dictated a procedure whereby competitive imports had to be obtained as the residual difference between the sum of all uses and provincial output. This treatment will be elaborated upon subsequently.
- 5. Commodities or products distinguished from industries or activities Our flow matrix of inputs to industries records the use by industries of commodities, or products, and contains more rows than columns. It is accompanied by a row matrix of outputs of commodities by industries of equal dimensions, also rectangular.
- 6. Estimation of transactions between all final using sectors The usual categories of primary inputs were transformed into "national accounting" sectors. This transposition is necessary to facilitate the estimation of further rounds of income and employment induced within the system by expenditure of revenues received by households and local governments, as has already been explained in the previous chapter.

Three Basic Steps in the Construction of Input-output Accounts

The construction of a complete system of inputoutput accounts essentially involves three basic steps—with numerous statistical and conceptual

⁹ A more detailed description of sources used is contained in Volume II of this study. An extremely comprehensive account of sources and methods used in constructing the 1960 tables exists in 6 volumes – *Atlantic Provinces Input-Output Study* (24...29). These reference volumes are on file at the Input-Output Division of Statistics Canada in typed and bound volumes.

problems to be settled along the way. For each of the four Atlantic Provinces we proceeded in the following way:

- (a) Recording and estimation of outputs and inputs of all producing sectors.
- (b) Estimation of expenditures by all final users.
- (c) The balancing and reconciliation of the accounting system, so that total supply equals total demand and the resulting estimates are in accordance with independently available economic data.

In updating the 1960 tables to 1965 we again followed these three steps for each province, the only difference being that we worked at a somewhat more aggregated level.

We proceed to elaborate on methods used after examining a number of problems which had to be faced.

Criteria for Choosing Industrial Sectors

The tables were compiled in rectangular form with 180 commodity rows (excluding non-competing imports) and 97 industry columns. Because the tables were meant to serve the dual purpose of describing the economy as it really was in the base year, and as it might become in the process of the implementation of development plans, it was necessary to select industrial sectors which would fulfill the following requirements: (a) isolate the key resource activities upon whose fortunes the region is heavily dependent; (b) form sectors which are sufficiently detailed to describe the rather scanty inter-industry structure and yet sufficiently important to warrant the additional work both in compilation and manipulation of a large matrix in programming; (c) keep in mind the basic assumption of input-output systems, i.e., proportionality between output of products and inputs to the producing sectors; in practical terms this meant that sectors must be sufficiently large to exhibit some stability. On our worksheets we carried every three-digit S.I.C. manufacturing industry found in the Atlantic Provinces. We aggregated industries which were too small to be significant and so arrived at a set of 97 industries for 1960. Procedures followed in the 1965 revisions were similar although here we undertook a further aggregation to 71 industries at an earlier stage than for 1960. The reader is referred to the Appendix of this chapter for a list of the original 97 industries and a listing of the principal 180 commodities.

Commodity Classification and Levels of Aggregation

We arrived at the 180 commodity groups mentioned above by a process of successive aggregation from very fine commodity detail, each step in aggregation being forced by non-availability of detail on the purchasing side. We began by recording the output of

commodities in all the detail in which it could be obtained; in the case of manufactured goods, this meant recording the detail in which value of shipments is reported to the Annual Census of Manufactures. Materials used by manufacturing industries were similarly recorded and coded in full detail. In the initial stages of the study, we thus recorded the output, in each of the four Atlantic Provinces, of some 300 manufactured commodities. We coded each commodity by the Canadian Standard Commodity Classification at the 5-digit level. While this code was of some assistance in the process of matching inputs to outputs, we later abandoned the S.C.C. classification in favour of a commodity classification based on the "principal industry" attribute of the commodity. In that system each commodity was given a code linking it with the industry which normally produces that commodity. The total provincial output of a commodity exceeds the output of the industry to which it is principal wherever the commodity in question is also a secondary product or by-product of some other industry. In the listing of commodity rows in the Appendix, the "principal industry" is indicated in the fifth column.

The first aggregation of commodities was largely dictated by the availability of reliable data on inputs and by the results of our survey of the geographic disposition of the output of commodities. Materials used are not generally reported in the same degree of detail as are shipments, and in order to match recorded inputs with recorded outputs, we had to aggregate outputs to the level of data on inputs. Furthermore, replies to our survey of the geographic disposition of output were often not available in full commodity detail. The results of that survey were used to form the first aggregation of commodities. The original set of 300 manufactured commodities were thus reduced to approximately 260 commodities.

In allocating inputs of the non-manufacturing sectors, available information was generally not nearly as detailed as in the case of manufacturing. This forced us to the second level of aggregation. The results of this second aggregation yielded the 180 rows of the input-output tables listed in the Appendix. The listing of sub-commodities and the corresponding numbers in the extreme right hand column to the first level of aggregation mentioned above.

Absence of Data on Provincial Imports and Exports

The most serious difficulty in constructing provincial input-output tables is the absence of data on imports into the province. One does not know the external supply available to meet provincial demand, and there is no alternative but to build autonomous estimates of all intermediate and final demand categories. When this is done, competitive imports into the province from sources external to the region appear as the

residual shortfall between total demand and local supply. Total demand equals provincial use plus exports. Local supply equals provincial output plus imports from other Atlantic Provinces. The shortfall (residual) estimate of imports originating from sources external to the Atlantic Region is thus given by the identity:

Provincial output

plus Imports from other Atlantic Provinces

less Provincial use

less All exports out of the province

equals Residual imports from sources external to the region.

These residual imports cannot however be separated into goods originating from other Canadian provinces and goods originating from foreign sources. The procedure calls for the greatest attainable accuracy of estimates on the demand side, including estimates of exports. The procedure rests on the assumption that there is no re-export or transshipment of commodities. (We do, of course, show both in- and out- movements of some commodities. This was done where we were able to obtain direct information on the provincial exports of a commodity whose total provincial demand exceeds provincial production.) Through-movements or transshipments do not appear in the tables. Thus, winter grain shipments through Maritime ports appear neither as an import nor as an export. However, the transportation, storage and distribution services associated with the handling of goods passing through the region for export out of Maritime ports as well as similar services associated with the handling of imported goods destined for other Canadian provinces entering by Maritime ports, are included in the tables as exports of transportation, distribution and associated services. (For example, in Nova Scotia the estimated value of such services exported to the rest of Canada was \$29 million in 1965.)

To reduce the underestimate of imports by "netting out", we worked with the most disaggregated commodity detail which the data would permit. As broader commodity groups were built up by aggregation, an increasing number of cases of simultaneous export and imports appeared. This phase of the study yielded the first set of estimates of imports into the Atlantic Provinces which has ever been made and also the first set of carefully constructed estimates of exports out of the Atlantic Provinces.¹⁰

Imports into the region equal the sum of the inflow of non-Atlantic products into the four provinces. Imports into any one province are equal to the sum of non-Atlantic inflows and inflows of products from the other Atlantic Provinces. In order to estimate these flows, for each of the Atlantic Provinces and for the Atlantic Region as a whole, interprovincial flows between the four provinces had to be estimated independently. To this end a survey of all manufacturing establishments included in the 1960 Census of Manufactures was conducted. Each establishment was asked to dispose of the commodities produced in 1960 with respect to five geographic destinations: each of the three Atlantic Provinces, foreign markets, and shipments to the rest of Canada. Establishments were requested to report on the disposition of the output of all commodities normally produced by the 3-digit S.I.C. group to which the surveyed establishment belonged.

The above discussion relates only to "competitive imports". Estimates of the import of non-competitive goods presented fewer difficulties.

Competitive and Non-competitive Imports

The problem here is well known. The smaller the economy one deals with, the more non-competitive imports there will be, if one defines this term to refer to commodities not produced within the economy. Further, the finer the commodity detail, the more non-competitive imports there will be. (If one were to go to the ultimate length of defining a commodity by brand name, almost all imports would become noncompetitive.) As stated above it is desirable to work with fine commodity detail, as long as data permit, because this leads to less loss of information concerning trade. On the other hand, it is not desirable to force too many commodities into the non-competitive group - even if the data would permit it - because this amounts to constraining the import content of all purchasing activities, both productive and final, to bear a strictly proportional relationship to output. This neither represents the real world - where the proportion of imported purchases tends to rise in years of exceptionally high economic activity - nor is it useful in terms of building a policy-oriented model which facilitates the exploration of "import-substitution" by varying the competitive import coefficient for one or more commodities.

In our tables competitive imports are channelled through the delivering (row) sector. The input coefficients of the purchasing sectors are thus less influenced by trading patterns, and more closely approximate so-called "technical" coefficients in the sense that they represent a purchase of input regardless of its geographical source of supply.

We proceeded as follows. Initially we defined as non-competitive any commodity not produced in the Atlantic Region in 1960. If a commodity was produced

¹⁰ A comparison of our estimates of exports to foreign countries with those made by John Earl is found in *Part VI of the APIO Study*, (29). Earl's study was confined to exports from the Atlantic Region to foreign countries. Estimates of Atlantic exports to Canadian destinations (external to the Atlantic Region) were not made by Professor Earl. See *A Report on the Exports of the Atlantic Region*, prepared by John F. Earl for the Atlantic Provinces Research Board, May 1964 (mimeo).

in any one of the four provinces, in however small a quantity, its import into the region was initially defined as competitive. Our experience was that in allocating materials used in manufacturing it was not difficult to identify intermediate material purchases which originated outside the region, because the Census of Manufactures provides very detailed data on materials used. In cases of doubt a comparison of unit value of the comparable locally produced material enables us to decide whether these materials were in fact the same commodity. If all data on purchases were as good as data on intermediate goods purchased by manufacturers, the problem of deciding which commodities should be treated as non-competitive imports could be settled with reference only to conceptual considerations.

With reference to conceptual considerations alone, we were faced with a choice: a more embracing classification of "non-competitive" imports facilitates estimation of the direct and indirect importrequirements of a given program of final purchases - on the assumption of constant market structures. A classification which puts a larger part of marginal commodities into the "competitive" group, yields more flexibility regarding constancy of the coefficients, but implies a sacrifice of information and necessitates independent estimates of imports of the commodity in question for the year for which the projectors are made. We may illustrate the point with primary steel products. We know the range of primary steel products which were produced in the region in 1960. They were specialized steel commodities, mainly for export out of the area. We had data on the exports of these commodities out of the region. Further, we knew the type of primary steel commodities being purchased by manufacturing and construction industries and we knew that many of these were not produced in the area in any significant quantities (for instance, steel plate, structural steel, etc.). We thus had a choice: (a) we could make two commodity groups, one composed of products of a type being made locally and exported and the other classified as a non-competitive import, or (b) we could define one wider commodity group "steel products" in such a way that one would have exports and imports for this commodity. The second of these alternatives sacrifices information. One might nevertheless opt for this treatment of "steel products" as a competitive import in order to explore "import substitution" by means of changing import coefficients. There exists yet a third possibility: one could insert a dummy column representing the cost structure of the industry which produces those steel products which are in fact being imported. One could then explore the implications of increasing the local output of this (dummy) industry. In fact we finally decided to treat those steel products which are definitely not made in the province, as non-competitive imports.

To a large degree, however, designation of imports between competitive and non-competitive is determined by the inadequacy of the data regarding purchases by

non-manufacturing and by final demand sectors. To cite another example: we can estimate final demand purchases of fruit (exclusive of Atlantic Provinces products such as apples and blueberries). It is known that the bulk of fresh fruit is essentially non-competitive for climatic reasons. As it is difficult to distinguish final expenditure on fruit between fruit of a type which is, or might be locally produced, all import of fruit becomes "competitive". The same holds true for "fresh vegetables" where local production is very small and cannot be expanded significantly. In some cases, like wheat or corn, we have classified the commodity as a non-competitive import and transferred the local product to some other commodity group such as "miscellaneous agricultural output". Non-competitive imports estimated are listed in the Appendix to this chapter.

Commodities and Industries: More Rows than Columns

All industries produce more than one commodity. Some commodities are produced by more than one industry. This troublesome fact constitutes one of the many difficulties which face anybody engaged in constructing or using input-output tables. There is no ideal solution. Obviously, it is advantageous to set up the accounts in such a way that we preserve the maximum amount of information. For this reason among others we opted for a rectangular input matrix which has more (commodity) rows than (industry) columns.

Industries Producing More Than One Commodity

This in itself would not be too troublesome. Suppose that an industry produces three commodities but that none of these three are produced by any other industry. For input-output analysis this means that we must assume a common cost structure for each of the three commodities - a common set of commodity inputs. There is no way to escape this. However, we still wish to preserve three rows for the three commodities. We need the three rows because the origin of supply with respect to local and imported source is likely to be different for each of the three commodities. Although we show the three rows, the situation does not depart from the one-for-one correspondence between groups of products and industrial sectors. If all cases were like this, one would have essentially a square table in which additional information concerning the origin and disposition of commodities or products is recorded.

Commodities Produced by More Than One Industry

This is the truly troublesome situation. It becomes more troublesome the higher the degree of aggregation of commodity groups. Such aggregation, however, increases the number of commodities for which we assume the cost structure to be common. One can identify three types of cases in which a commodity or services is produced by more than one industry: secondary products, by-products, and own-account production. These cases can be classified with respect to conditions of

demand and supply. By independent demand we mean that the demand is independent of the demand for other commodities produced in the industry. By independent supply we mean that the output of the commodity by the producing industry is independent of the output of other commodities produced in the industry. In the case of own-account services, such as transportation, demand is linked with the output of the associated commodity, but supply is not necessarily linked.

Three cases can be summarized as follows:

	Demand	Supply
Secondary products	Independent	Independent
By-products	Independent	Dependent
Own-account services	Dependent	Can be treated either way

Secondary Products

Where a commodity is produced by more than one industry, it is defined as principal to one and secondary to one or several other industries. The demand for the commodity is independent of the demand for other commodities produced in the industries which produce it. Examples of secondary products are pulpwood produced in agriculture (wood-farming) as well as in the logging industry; frozen fruit produced by the fish processing industry as well as by the fruit and vegetable processing industry. Here we proceed by recording the commodity as an output to more than one industry. We could then assume that all increases in demand for this type of commodity would be produced by the principal producing industry. This is reasonable because the materials involved in producing the commodity more closely approximate the cost structure of the industry to which it is principal than that to which it is secondary. But one is not forced to proceed like this. One can assume that the increase in demand will be produced by both the industries, and in any proportion desired, including that in which these products were produced in the base year. This latter (constant market share) assumption is in fact the one we opted for. By adopting the rectangular form of input and output matrices we have gained more flexibility. Obviously such a system can do all that the conventional inter-industry table can do, and more. Our system contains additional information, which it gives it more flexibility.

By-products

A product may be produced in two industries: in one industry, it is a by-product, in the other it is produced as an independent activity. If no such other industry exists, we postulate an import of the commodity. Ideally one would wish to assume that demand for this product from the two sources of supply be allocated in such a way that the industry to which it is a by-product does not produce more of its principal product than is otherwise required. Thus, for instance

one would not wish to allow an increase in demand for sulphuric acid to yield a surplus of supply of primary steel. Rather, one would wish to use the supply of sulphuric acid associated with a given demand for primary steel products and obtain the balance from the industry which normally produces this product, or from imports.

Transfers of Secondary and By-products

In the 1965 tables no distinction was made between secondary and by-products. Although this treatment sacrifices this distinction, it is, on balance, a superior treatment to the transfer technique, which we used in the preparation of the 1960 tables. The combination of the fixed market share assumption with the usual fixed input is fully described in Chapter 4. With the use of a fixed market share assumption, an increase in demand for any commodity is directed toward the industries which produce it in proportion to the ratios in which the commodity was produced in the base year.

In the 1960 tables, however, secondary and by-products were originally treated by transfers.

In the case of secondary products the industry (A) actually producing the secondary product (B) is assumed to "sell" it to industry (B) to which the product is principal. The latter industry (B) thus makes a "purchase" of the commodity (B) from industry (A) and sells it in the commodity row (B) representing output of a type principal to itself.



This "purchase" falsely increases input into industry B which is cancelled out by making a compensating negative entry on the principal diagonal of B. Industry output levels in both A and B remain unchanged, while the supply of the commodity recorded in row B is augmented by the amount of secondary production (of commodity B) undertaken in industry A. An increase in demand for the principal product of industry B thus activates industry A, which supplies a portion of demand for this product, produced with the techniques of industry A. There is a corresponding reduction in demand for the product produced with techniques of industry B.

In the case of by-products the industry (A) producing the commodity (B) as a by-product is also assumed to "sell" it to the industry to which it is primary (B). The transfer, however, is effected by

considering this "sale" as a "negative input" of commodity (B) to the industry (A), matched by a corresponding purchase from itself on the principal diagonal of A.



Here again, industry output levels in both A and B remain unchanged, while the supply of the commodity recorded in row B is diminished by the amount

produced in A. An increase in demand for the principal product of B, however, does not stimulate industry A in which it is a by-product, while any increase in demand for the principal product of industry A automatically augments the supply of commodity B.

As a result of these transfer procedures, entries in the rows representing the principal products will be negative whenever the amount transferred exceeds normal intermediate purchases recorded in that cell. The transfer of secondary and by-products to their appropriate principal product rows enables us to obtain correct estimates of residual imports for commodities whose domestic supply does not originate wholly in one industry. An illustration of the resulting negative entries that appear in the 1960 tables is given below:

Purchases by the Forestry Sector, 1960

	Newfound- land	Prince Edward Island	Nova Scotia	New Brunswick
		thousands	s of dollars	
From agriculture:				
Actual purchases of agricultural products	179.0	14.6	156.6	182.4
+ Transfers:				
Purchases from farm wood lots	81.0	989.9	4,109.9	6,050.0
Purchases from sawmills	-	-	-	5.9
= Entry in input-output tables after transfers made	260.0	1,004.5	4,266.5	6,238.3
From forestry:				
Actual purchases of forestry products	0.7	0.0	0.0	4.0
- Compensating entry	- 81.0	- 989.9	- 4,109.9	- 6,055.9
= Entry in input-output tables after transfers made	- 80.3	- 989.9	- 4,109.9	- 6,051.9

Own-account transportation - Where the secondary activity is own-account work, which is directly related to the output of the principal activity of the industry the demand for the principal product induces a related demand for the secondary activity. (Examples: ore which is mined and hauled to tide water, or beer which is delivered to retail outlets by fleets of trucks belonging to the manufacturer.) Own-account transportation may be treated in one of two ways: one can integrate the transportation activity with the producing activity or one can transfer the own-account activity and its associated costs to the sector to which it is principal - in this case the transportation sector. In no case should the producing industry be permitted to produce transportation services as a distinct secondary activity. In the first case own-account transportation disappears from view: its costs are integrated with those of the industry, and the value of output is correspondingly raised to delivered cost. In the second case, the industry should "buy" the transportation services associated with delivery of its product and pass these transportation charges on to the purchaser in the form

of a higher price. The buyer thus purchases the product at a valuation which includes the transportation margin.

This treatment seems suitable wherever we have the situation that no buyer in fact has access to a commodity before certain additional delivery services have been added to it. This permits us to deal also with industries which produce some but not all of their related transportation. Here one can proceed in one of two ways. One can remove own-account transportation from these industries and transfer it to the transportation sector and then make the purchaser of the product buy the transportation margin. Alternately, one can take the mixed situation as it is and let the purchasing sector buy the difference between the product at purchaser's price and the apparent producer price, remembering that the apparent producer price includes a certain amount of transportation. Thirdly, one can do as suggested above, and make the producer buy the whole transportation margin and pass on the cost in the form of a higher "producer price".

Own-account construction - Own-account construction was treated differently. Own-account construction activity was removed from the account of the industry undertaking it and all associated costs were transferred to the account of the construction industry. A purchase by an industry of own-account repair construction was treated as a purchase from the construction industry. We did not permit construction to appear as the output of any industry other than the construction industry, defined to include own-account work. Alternatively one might have permitted the industries to undertake their own-account construction work in which case one would have to make sure that their costs would include all wages, construction materials and overheads associated with their own-account construction activity.

Distribution margins and revaluation of inputs at "producer" value - Whereas data on inputs into the producing sectors and data on purchases by final demand sectors are normally collected at "purchaser" value, all transactions in the input-output accounts should be entered at "producer" value. The method used to estimate gross margins on commodity inputs and final purchases consisted in revaluing the quantities of commodities purchased by each industry at producer prices and deducting the amounts so obtained from the recorded purchaser price. This gross margin is then allocated to its various sub-components: transportation costs, wholesale and retail distribution, markups and taxes of various types. We calculated gross margins at the commodity level in which inputs were recorded. Inputs were initially recorded at purchaser value and the transaction was subsequently revalued at estimated producer prices. To estimate the correct producer price, we used the following information: average unit producer price of provincially produced output; average gross wholesale margins by type of wholesale establishment; data on transportation costs from various sources and estimates of federal and provincial indirect taxes based on the tax rates prevailing in 1960 and 1965.

As is well known, the basic problem lies in finding the correct price at which to revalue each transaction. Reported prices – producer's and purchaser's – are averages of transactions of commodity categories, each category consisting of several items of varying unit values. For example, input may be described simply as "lumber", and the unit value may range from the value of one specific type of cheap lumber to the value of special types of expensive lumber. More often than not it is an average value of two or more types. Thus several adjustments are necessary, although the extent to which adjustments are necessary are minimized by the detailed commodity level at which the calculations were made. A separate and independent revaluation was made for each transaction; the percentage margin on the purchase of commodity A by industry B might be different from the percentage margin on the purchase of commodity A by industry C. Revaluations from purchaser to producer

were made for each 3-digit S.I.C. industry. A tabulation showing the weighted average of margins on commodities purchased by all producing sectors as well as the final demand sectors in 1960 is attached to the notes on Sources and Methods in Volume II. The same percentages were applied to the 1965 data, with adjustments for changes in sales taxes where applicable.

Margins on purchases by final users were similarly calculated. It was assumed that the total gross value of output of retail distribution services were included in margins on goods purchased by the personal expenditure sector. Margins associated with the operation of motor vehicles, that is, dealer margins on new and used cars, sales margins on gasoline, oil and parts were not included in the general distribution sector. Similarly, taxes paid on the purchase of gasoline were not included in the margins, but were shown as a separate row in the tables. Details of the treatment of motor vehicle operation are outlined below.

The procedures which we followed here in the estimation of margins did not grant any a priori assurance that the grand sum of estimated margins on all transactions would equal the output of freight transportation plus the services of the wholesale and retail industry, as it should. In fact, we found a remarkably close balance in every province, and we did not have to seriously adjust estimated margins to bring supply and demand for margins to equality.

1. Estimation of Output and Inputs of All Producing Sectors

The notes which follow are intended to give a very brief sketch of some of the methods used in constructing the estimates. For each industrial sector (column) we had to obtain data on:

- (a) the gross value of output of the goods and services produced;
- (b) the geographic (market) disposition of the output of all locally produced goods;
- (c) the input structure, i.e., detail concerning expenditures on intermediate goods and services and on the purchase of all primary factors (including noncompetitive imports).¹¹

Agriculture

The output of the Agricultural Sector consists of farm cash receipts, income in kind, including dwelling services (farmhouses), and the value of inventory changes. The sum of these items yields an estimate of gross farm income. Gross output thus exceeds cash

¹¹ It is implicit in these remarks that we constructed our estimates primarily by the collection of data on inputs (or purchases) rather than data on the industrial disposition of output (or sales).

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receipts by the value of non-cash income. Production of pulpwood on farm woodlots is included in the output of the agricultural industry. In the 1965 tables, the agricultural sector was divided into three sub-sectors according to size of farm: large farms were defined as those with a gross value of output in excess of \$10,000 per annum; small farms as those yielding between \$2,500 and \$10,000, and subsistence farms are "farms" with a value of output of less than \$2,500 per annum. The input structure of these three sub-sectors was estimated separately. Unfortunately separate treatment had to be abandoned because we could not develop reliable estimates of commodity output from each of the three sub-sectors. In view of the relative magnitude of subsistence agriculture in the Atlantic Provinces, it would be useful from an economic and a social point of view, to maintain at least two agricultural sectors, one commercial and the other non-commercial. It is unfortunate that we did not have the time to undertake the surveys that would be necessary to make reliable estimates of the composition of output by sub-sector.

Much effort was put into determining the geographic disposition of agricultural output. In the 1960 estimates this was done both in quantities and values. Apart from potato and apple shipments, data on interprovincial movements were fragmentary. The Atlantic Provinces are known to be a deficit area in agricultural products, particularly meats and dairy products, and there was little out-of-province movement. Estimates of farm operating expenses were derived from DBS sources, including estimates of unincorporated business income and wages and salaries paid and received as income in kind.

Primary Forestry

The output of the primary forestry sector consists primarily of logging operations, excluding the production of wood on farm woodlots. The main problem here was that of establishing the appropriate value of the output of the sector. Many logging establishments use the services of independent logging contractors and also purchase wood from other logging establishments. There is thus a problem of avoiding duplication in estimates of the gross value of output. Furthermore, where logging operations are integrated with sawmills or pulp and paper mills, additional valuation difficulties arise in estimating the disposition of output of forestry. In the 1960 tables, we relied on the DBS Annual Census of Logging both to establish value of shipments and inputs into the sector. In the 1965 tables adjustments were made. These adjustments on the output side necessitated adjustments to inputs. Inter-company purchases netted out of output must also be removed from inputs, thus no purchase of primary forestry products from the primary forestry industry appears in the tables. The inclusion of estimates of the output of small logging operators is balanced by an increase in unincorporated business income on the expenditure side.

Fishery

The output of the primary fishery was built from data on the value of landed catch of fish in two segments: molluscs and crustaceans (shellfish) and groundfish, pelagic and estuarial (all other fish). Four fishery sectors were thus constructed, two primary and two secondary (processing and handling). Differences in the nature of the lobster fishery and groundfishery suggested that it would be useful to separate the cost structures of these two types of fishing. A substantial addition was made to the value of landed catch in Newfoundland and Nova Scotia to allow for the value added on green salting of fish by fishermen. The cost structure of the two primary sectors was built from miscellaneous information relating to the costs of operating various types of fishing craft in the Atlantic Region.

After deduction of a small amount estimated to be direct sale by fishermen to consumers and fish retained for their own consumption, the total primary catch of shellfish and groundfish was fed into the two secondary fish processing industries. The secondary fish products industry was built up to the estimated value of final fish products (shellfish and groundfish). The secondary industries were assumed to purchase the transportation services involved in moving fish to the processing plant, and they were assumed to produce, as part of the gross value of this output, the distribution services associated with the handling of fish and fish products. One reason that dictated this treatment was the impossibility of separating sales and purchases of primary fish from sales and purchases of final fish products. The secondary fish products industry thus constructed therefore differs from the fish products industry as defined by Statistics Canada. It is composed of a combination of manufacturing (processing) and distribution (handling) activities which transforms fish landed at beaches into final sales of fish products.

Estimates of the geographic disposition of the output of final fish products were extremely difficult to make. This is a case where we suffered from a surfeit of data, for it was never too clear whether available data related to intermediate or final fish products. For exports of fish products Trade of Canada data, by port of exit, as well as a special survey on fish exports to the United States by province of origin, provided the main source of information. Estimates of shipments to Central Canada were obtained as a residual difference between output on the one hand and foreign exports and local consumption on the other. It is to be expected that our estimates are more reliable for the Atlantic Region as a whole than they are for any single province, because of the massive inter-provincial transfers of fish and fish products within the Atlantic Region.

Mining

The Mining Sector was estimated in five subsectors of the Standard Industrial Classification: metal mining, coal mining, non-metallic mineral mining, quarries and sandpits, and contract drilling. (In 1965 contract drilling was treated as a "primary" business service bought by the mining sector.) Data on output and inputs as well as the disposition of output were obtained from Statistics Canada sources and the Department of Mines. Direct surveys were used to supplement regular Statistics Canada data to break down items such as fuel costs and the costs of materials and supplies of mines.

In Newfoundland, over 80% of the output of metal mining consists of iron ore mined in the Labrador – Schefferville area. All the costs, incomes and value added associated with metal mining have been channelled through the Newfoundland economy. This treatment has probably resulted in an overstatement of the impact of metal mining on the economy of Newfoundland, for it is known that many of the inputs do not come from Newfoundland sources, and it is probable that a good part of the incomes earned in iron ore mining are spent outside that province.

Manufacturing

Data on manufacturing outputs and inputs were obtained from the DBS annual Census of Manufacturing. While this census yields much excellent information on commodity outputs and inputs, three areas are poorly documented in the Census. Special surveys were thus necessary to convert the data to a form suitable for the input-output tables. These areas are: (i) expenditures on services; (ii) the item classified as "operating supplies", the commodity detail of which needs to be determined; (iii) primary factor inputs apart from wages and salaries. Two further problem areas required additional survey data; one concerned the use of containers by industries. (Here we needed information to break down the global figure of container use reported in the Census.) The other concerned the geographic disposition of all locally manufactured goods. In this latter case an elaborate survey was undertaken and questionnaires were sent to all manufacturers included in the 1960 Census of Manufactures. This survey was vital in order to establish reliable estimates of shipments into each province and (indirectly) reliable estimates of residual imports into each province. An implicit assumption of our procedure was that manufacturers in the Atlantic Provinces know the final destination of their shipments. The survey has no way of detecting whether a shipment of goods reported as sold in the producing province was not in fact re-sold outside the province. If this was in fact the case, out-of-province shipments (and residual imports) would be underestimated.

Data on major commodity inputs were supplemented by information yielded by the several surveys mentioned above. These intermediate inputs, along with reported wages and salaries and an estimate of supplementary labour income, were subtracted from the reported gross value of output in each industry, leaving a

"gross surplus" which was then broken down into the remaining primary inputs: — profits, interest and depreciation. This was done with the aid of a large sample of financial statements of firms operating in each industry, collected under the Company and Labour Unions Reporting Act.

A general problem in processing reported input data arises because it is not always clear whether the value of intermediate commodities used reported by manufacturers really represents production costs only, as they are supposed to, or whether some own-account activity, such as construction, transportation or distribution has also been included. The problem presents itself particularly with respect to estimates of wage bill and of fuel costs. Thus for example, the reported wage bill in a manufacturing industry was reduced by an estimate of the wages and salaries component of own-account construction, where we had reason to believe that own-account construction took place. All costs related to own-account construction activity were attributed to the construction activity industry. On the whole, however, data on the manufacturing sectors were good, and even where there were gaps in information, it was decided to tolerate no "unallocated" inputs (or outputs), on the grounds that an informed guess at an early stage of the process of estimation when one is close to the details, is better than a guess made later when one is less clear about what is being guessed.

Construction Activity

The construction industry was built in three major sub-sectors: residential, non-residential and engineering construction. The output of the sectors were taken to be the value of construction activity as reported in the Statistics Canada publication Construction in Canada. The definition of construction used in that publication and in our input-output tables is based on the activity rather than the establishment concept. Thus ownaccount new and repair construction of all private business and public sectors is removed from the accounts of these sectors and included in the construction industry. Industries are thus not shown as purchasing materials or paying wages connected with their (own account) construction activity; instead, the equivalent gross value is shown as a purchase by the industry of construction activity from the construction sector.

Whereas it is simple to identify the users of residential construction, it is difficult to allocate reported repair construction expenditures between building and engineering repairs. For this reason we were able to present only one row of (non-residential) repair construction. All inputs of construction to intermediate sectors represent repair work. All new construction is shown as capital formation of private business or one of the five public sectors. These latter may also purchase repair construction done on current account.

The construction industry was initially divided into 19 sub-sectors and inputs were calculated separately for each of these. The information available to build the cost structures of the 19 sub-sectors in 1960 was quite limited, but in 1965 we were fortunate to benefit from the detailed studies of cost structures in the construction industry done by the Quebec Bureau of Statistics for their input-output tables for 1961.

Transportation

The transportation industry was built up from eight sub-sectors representing air, rail, water, bus services, moving and storage, trucking, taxicabs, warehousing and services incidental to transportation. Although we estimated separate cost structures for each of these eight sub-sectors, we were not able to show more than one "transportation" commodity in the tables because we could not allocate intermediate uses of transportation services separately to the eight types of carriers without a great deal more research. It is nevertheless useful to have separate input structures for the different carriers. One can explore the effects of changing the "mix" of transportation services in the economy. The case is similar to that of the construction industry. Furthermore, as with construction, the transportation industry is built on an activity basis and transportation services are produced by the transportation industry only.

It proved quite difficult to allocate transportation revenues and expenditures to a provincial basis. Even the regional accounts of the two main carriers - Air Canada and the Canadian National Railways - do not coincide with the boundaries of the four Atlantic Provinces. Essentially, cost structures for air and rail transport were built up from the best estimates of their provincial revenues and expenditures obtainable from Air Canada and the CNR. Insofar as it was possible to identify them provincially, the various subsidies paid to the railways on account of their operations in the Atlantic Provinces were removed from the estimate of revenues. Transportation revenues shown in the tables thus represent the sum of actual receipts from users, and subsidies to the industry are shown as a negative input rather than as direct revenue.12

Although truck transportation is a major activity in inter-industry transactions, existing statistics on the industry are not at all suitable for input-output analysis. The major difficulty lies in establishing the value of output of the trucking industry. The difficulty is compounded by the need to determine a provincial value of output and by the existence of considerable own-account transportation. The trucking industry in the Atlantic tables is a larger industry (activity) than the set of trucking establishments covered by Statistics Canada

publications; it is extended to include private and for-hire activity and own-account truck transportation carried on by manufacturing and service industries, e.g., dairies, bakeries and the construction industry. In addition, in our tables trucking includes estimates of garbage collection services, snow removal and towing services all of which involve road transportation. The first estimates of cost structures were built up from gasoline consumption statistics. We subtracted the use of gasoline by all other industries and by final sectors from total provincial net sales of gasoline (in gallons). The remainder was assumed to be used by all forms of trucking included in this sector. Other costs were built up from estimates of average costs per truck scaled up by the number of trucks estimated from Motor Transport Traffic. Operating revenues were based on revenue per truck.

Estimates of revenues and expenditures in truck transportation were necessarily among the weakest in the tables, and the value of output of the sub-sector was finally established only during the balancing stage of our work.

Communications and Utilities

Revenues and expenditures on telephone services and electric power are well documented in Statistics Canada publications. In the other areas such as cable and telegraph, radio and television broadcasting, data are reported on a Canada-wide basis and provincial shares were determined by referring to supplementary sources. Operating statistics for water utilities were estimated from annual reports of the larger municipalities in the region. Costs of water to users were derived from ratios of water and sewerage payments reported in a special Survey of Selected Business Expenses carried out by Statistics Canada. In the 1965 tables the activities of the Post Office were classified to the industrial sector rather than to the public sector, as was done in 1960. Revenues from the sale of stamps, meters, money orders, etc. are balanced against expenditures on wages, rents, etc. published in the Public Accounts of Canada. Provincial revenues were estimated largely by summing the uses, since the attempt to distribute total Canada revenue provincially yielded strange results.

The main source of operating revenue in radio and television broadcasting is advertising, which is shown as being bought in total by the advertising industry and then sold to the various industrial users.

Distribution

The output of wholesale and retail trade is defined as the gross trading margins, i.e., total sales (adjusted for inventory changes), less cost of goods sold. Thus goods are shown as moving directly from producer to user, without recording the distribution sector as an intermediary. The output and cost structure of the wholesale and retail distribution sectors were estimated separately.

¹² The large hauling subsidies paid to rail and water carriers for carrying Maritime coal to Central Canada are treated as a negative export revenue (see below).

Revenues and expenditures were derived from the Census of Merchandising and from a large sample of financial returns from different types of retail establishments.

Automobile dealers which are included in the Census of Merchandising were excluded from our distribution sector. We chose to include this activity in a Motor Vehicle Operation and Maintenance industry, specially created to deal with all expenditures relating to motor vehicle repair and operation (except gasoline). This sector is perhaps unique in input-output work, at least in Canada. The output or revenue of the sector is composed of the following items: gross trading margins on the sale of gasoline, lubricating, oil, new and used passenger cars, the costs of repair work including parts, passenger car licences and insurance, and traffic fines. In short, the sector includes everything related to motor vehicles except for the factory gate value of new cars and the cost (to the retailer) of gasoline and oil. This treatment is useful for analytical work and its advantages are threefold: firstly, it avoids the necessity of estimating and charging individual items such as tires, or licences, to each of the many using sectors, and it enables us to charge expenses reported simply as "maintenance of cars and trucks" to a sector which will automatically allocate the components of these expenditures on a proportional basis. Secondly, it means that the large and important service activity related to the motor vehicle is not lost in the general distribution sector. Thirdly, it allows us to deal with the fact that services connected with the automobile are in fact a mixture of distribution and repair services, and it is neither possible nor desirable to separate them.

Travel and Entertainment

This is a "dummy" sector which allocates reported expenditures on travel and entertainment to transportation, motor vehicle maintenance, hotels and restaurants, etc.

Dwelling Services

This sector shows the transactions involved in the ownership of buildings for dwelling purposes only. The gross revenue or output includes cash rents, imputed rents of owner-occupied buildings and cash rents of farm dwellings. Expenses of the sector are few but large: repairs, taxes, insurance, mortgage, interest, depreciation and net interest earned by renting of dwelling space. The sector has no wage bill, no employment and no inputs of commodities. Its only intermediate inputs are construction repair and various financial charges.

Financial Services

The estimation of the revenues and expenditures in the financial services creates conceptual and statistical problems whose solution inevitably involves some degree of arbitrariness. This is so at the national level and the problem is evidently compounded at the provincial level. The industry is composed of chartered banks, finance companies, insurance companies, real estate agencies and equipment rental companies. There are serious statistical difficulties in determining the value of the output of the services produced and the industrial and final allocation of these services to using sectors. Financial services were initially estimated from the using side, by summing all the industrial and final uses. The sum of costs to the users vields "gross receipts" which are conceptually not equal to "output" of the service. To overcome this problem, chartered banks are given an imputed output of services defined to be the excess of interest received over interest paid on deposits, plus actual service charges. As everybody knows there are no such data at the provincial level. Estimates of provincial wages and salaries paid by banks were obtained from the Labour Division of Statistics Canada. The relationship between total wages and salaries paid by banks in Canada and total output of banking services was used to estimate the value of provincial output.

Finance companies were treated similarly, the value of output being defined as the difference between interest earned and interest paid. For all insurance, excluding life insurance, output is defined to be the difference between premiums earned and claims incurred. For life insurance, the balance on annuity funds is added because it is in effect a sinking fund, and therefore part of the current year's operating surplus. Dividends paid to policy holders are not included in the claims, but are treated as part of the corporate surplus which is subsequently transferred to persons. The total output of life insurance services is sold directly to persons.

The real estate industry provides the service of gross land and building rents to commercial and industrial enterprises and to the public sectors. The gross value of output was calculated as the sum of the uses, for the reason that this was considered the most feasible way of arriving at a self-balancing estimate of output. Similarly, the output of equipment rental was initially built up from estimated expenditures made on such services.

Hotels, Restaurants and Caterers

This sector sells the services of providing accommodation, meals and other refreshment. Revenues were derived in a manner similar to the distributive trades. We subtracted the estimated cost of food products from the reported gross revenue of the sector, to obtain an estimate of the value of services rendered. Households are the major purchaser of the service and household purchases include expenditures by tourists in the region.

Personal and Business Services

In our tables personal services are composed of the expenditures on domestic servants, doctors, dentists

and similar private practitioners, religious, charitable and community organizations and amusement and personal services as defined in the Census of Merchandising and Services. Estimates of expenditures on these services were built up from a wide variety of sources, but there came a point when the only source available was the population census — that is, we used an estimate of individual or household expenditure and multiplied it by the population.

Business services are composed of advertising services, legal, accounting and other professional and technical services. Advertising revenues of radio and television broadcasting stations and newspapers are channelled through the business services sector to users, instead of being sold directly. This makes the revenues and expenditures of our advertising agencies much larger than those reported in the Census of Merchandising.

In the 1965 tables services to primary industries, i.e., veterinary services and contract drilling were treated as an additional service sector called Primary Services. Inputs into the several component services of the sector were estimated separately and then aggregated into one industry.

It can be seen that in many cases estimation of the output of services was intimately bound up with the uses of the service. Thus, some of the estimates of outputs of services were not finalized until the last balancing stage of the work. This method of proceeding may appear precarious to some readers, but the relatively poor quality of direct statistical information in these service sectors left us with no alternative procedures.

2. Estimation of Expenditure Patterns of Final Users

Final demand was estimated in nine domestic and six export sectors. These are personal consumption, fixed capital formation of industries, inventory change, federal government spending on defence within the region, federal government civilian expenditures on goods and services, provincial and municipal government expenditures on goods and services, and expenditures of the hospital and education sectors.

Exports were estimated for each of the following six destinations: each of the four Atlantic Provinces, the rest of Canada, and foreign markets. Imports are recorded by five sources — from each of the four Atlantic Provinces and (residually) from the "rest of the world" including the rest of Canada. Each category of final demand was disaggregated with respect to the commodity and service composition of purchases. The estimation of purchases at this level of detail for each of the four provinces proved to be an extremely difficult and time-consuming task, particularly in the case of personal consumption expenditure and expenditures by the five public sectors.

Personal Consumption Expenditure

Estimates of final personal expenditure were obtained by summing estimates of expenditures by persons on major groups of commodities and services. The Census of Retail Trade was used to give total estimates of personal expenditure on major groups of goods and Family Expenditure Survey data were used to obtain a breakdown into finer commodity detail. Estimates were made in 60 commodity groups which were further subdivided into 105 detailed commodities. All estimates of retail sales to persons were revalued to producer price at the individual commodity level. Percentage margins on personal expenditure on commodities are listed in Volume II and actual values of margins or markups for 1960 are listed in a detailed statistical report on Personal Consumption Expenditure. (27)

Because Census of Retail Trade data are compiled on an establishment basis, these data had to be converted to a commodity basis and classified according to the commodity categories of the input-output tables.

Estimates of personal expenditure on services were made by 13 groups of services, and a variety of sources was used including the *Census of Merchandising*. These estimates were intimately related to the estimation of the revenue and expenditures of the various service sectors. The output of domestic services or medical and dental services, for example, is purchased almost exclusively by persons; thus the estimate of the revenue of these service sectors simultaneously determines the estimate of personal expenditure on their output (and visa versa). For these reasons, the personal consumption account was the last one to be completely balanced. Further detail concerning methods of estimating sources of statistical data and supplementary tabular material for 1960 are contained in Volume II of this study.

For the 1965 tables, initial estimates of personal consumption expenditures were made by the Atlantic Development Board. Before attempting commodity supply-demand balances we attempted to fit total consumption expenditure for each province into our set of multi-sectoral accounts (described in Chapter 2). However, it was found that these initial estimates were high in relation to provincial income. This conclusion was confirmed by the difficulties encountered in arriving at individual commodity balances. The estimates originally made by the staff of the ADB were therefore revised downwards. We again used the Census of Retail Trade (1966) as firm data. The assumption was made that personal expenditures on commodities in 1965 would bear approximately the same relationship to expenditures derived from the 1966 Census, as the 1960 expenditures at retail sale price bore to the 1961 Census. Percentage margins (from producer to retail valuation) from 1960 were applied to the 1965 expenditures.

Public Sector Expenditures

It is obvious that the economic impact of public expenditure on the provincial economy is of direct relevance to the policy maker. We thus undertook a very detailed analysis of the sources of revenue and the commodity and service composition of expenditures of the following five public sectors: federal government, provincial government, municipal government, education and hospitalization.

In these five sectors expenditures on goods and services are financed almost exclusively from the general revenues of the three levels of government. Government expenditures fall into two major categories: (i) transfers of purchasing power and (ii) payment for goods and services. In our accounts, services rendered by wage and salary earners and rentiers (bond holders) are purchased directly by the public sectors; i.e., there is no public administration industry within the input-output table — public administration is treated as final demand.

It is by no means easy to construct a consistent set of accounts of the transactions of the public sectors with each other and with the other sectors of the economy. Some of the available information is compiled by calendar year, while other information is available only by fiscal year. Furthermore, compilations of public accounts from different administrative sources may show somewhat different figures for the same transaction. We relied heavily on the work done by the Public Finance Division of Statistics Canada in reconciling differences of this kind. In general we recorded payments made by one sector to another as income of the receiving sector, even where such revenues might, in turn, be passed on to yet another sector. There are, however, some important exceptions to this rule. Thus, in constructing the hospital sector, federal contributions to hospital insurance schemes are shown as a transfer from the federal to the hospital sector. Similarly, provincial grants for public schools have been shown as a transfer from the provincial government to the education sector, even though they might be administered by municipalities on behalf of school boards. Likewise, debt charges paid by municipalities on behalf of the public school system are shown as expenditures of the education sector.

Federal government outlays in the Atlantic Region were of three kinds: direct purchase of goods and services; transfer payments made to persons and transfers made to other levels or functions of government; and finally subsidies paid to industries. Our estimates of federal expenditures on goods and services in the region in 1960 were made independently in two distinct ways. One method was based on data pertaining to expenditures classified by the receiving establishment and the other on data pertaining to the commodity or functional character of the expenditures. Correspondingly the two major sources of information were the *Public Accounts of Canada* and unpublished data obtained from

"Treasury Vote Runs". From the first source we obtained payments by federal departments to establishments located in the Atlantic Provinces. The second source gave us purchases made through Atlantic federal government agencies on behalf of federal government departments. These latter data, so called "Treasury Vote Runs", provide information by type of commodity and service purchased. In the Public Accounts a list is shown of suppliers and contractors who received payments by government departments, of \$10,000 and over. These suppliers and contractors were coded, by province, according to the Standard Industrial Classification. Estimates were built up by federal government departments, using nine departmental divisions. Our justification for showing detail of spending pattern by federal government departments lies in the fact that it might be justifiable to assume constancy of spending patterns within a department, where it is not justifiable to make such assumptions with respect to total federal spending on goods and services.

By using "Treasury Vote Runs", it was possible, though extremely laborious, to collect and summarize data on federal government expenditure, by province and by department, and by detailed classification of the type of commodity and service purchased. Expenditures were classified in 22 groups or "standard objects of expenditure", when expenditures had to be aggregated.

We used "Treasury Vote Runs" to estimate most items of expenditure, but information on wages and salaries, military pay and allowances were obtained directly from Statistics Canada sources. Similarly, capital expenditures on construction and equipment were taken from the Business Finance Division of Statistics Canada. Wages and salaries and materials associated with ownaccount construction work done by government departments were removed from expenditures on these items and shown as a purchase of construction activity from the construction industry. Subsidies and federal transfer payments to persons and local governments were obtained from the Public Accounts of Canada for the four provinces. For further detail the reader is referred to Chapter 2 of this volume and to the Notes on Sources contained in Volume II of this study.

We balanced the revenue and expenditure side of each of the five public sectors. On the revenue side we showed sources of funds from other public sectors, from business and from households; and on the expenditure side, expenditures on goods and services as well as on transfers to households and to other levels of government. From this we obtained an estimate of the overall deficit and shortfall — that is, the excess of expenditure over revenue — in each of the local public sectors. In the initial stages of the work we did not have estimates of federal revenues arising in the province against which to match federal expenditures. At a later stage of the study we estimated and reconciled federal personal income taxes, corporation taxes and federal sales taxes yielded by each province.

In the provincial government sector we began with the figures of Gross Provincial Expenditure reported in Financial Statistics of Provincial Governments from which were deducted federal shared cost and other grants for educational and hospital purposes. The remainder was used as the total provincial expenditure figure against which revenues were balanced. From this total we deducted expenditures on transfers to municipal governments and to the federal government (if any), transfers to school boards, etc. and hospitals as well as direct provincial government expenditures on educational and hospitalization services, transfers to persons, debt charges and subsidies to industries. (The information was taken from provincial Public Accounts and from various Statistics Canada publications.) The remainder was taken as the (functional) expenditure on the purchase of goods and services by the provincial government. This total was then broken down into its commodity and service components with the aid of the Public Accounts of each of the four Atlantic provincial governments. A similar procedure was followed for the municipal government accounts.

Estimates of expenditures on education in each province were obtained by summing five types of educational institution: school boards, private schools, government educational expenditures, business colleges and universities and colleges. Revenue and expenditure accounts were made for each of these sub-groups by using a variety of sources including annual reports of municipalities and departments of education. The nature of the data dictated the five groups of which the sector was composed. Similarly, the hospital sector was built up in four sub-categories – federal, provincial, municipal and private - following the administrative jurisdiction of the hospitals and the data available. Expenditures by large categories were obtained from the Public Accounts and Hospital Statistics and further broken down into a commodity group, using samples available for specific hospitals.

Estimates of revenues and expenditures in the public sectors were done at the Atlantic Development Board for the 1965 tables. The methods used were in the main, the same as for 1960. However, in order to arrive at the finer commodity detail of expenditures we used the 1960 distribution of expenditures and applied the same trade margins on purchases, except where there was specific information to the contrary, as in the case of construction and equipment purchases.

Capital Formation

The two remaining sections of domestic final demand — capital formation and inventory change — created fewer problems by comparison with personal consumption and the public sectors. Changes in inventory occur predominantly in the manufacturing industries and data on these changes were obtained from the Census of Manufactures. The inventory changes

shown in the tables represent changes in stocks of finished products only, held by the producers. These inventories of finished products are valued at producer values, on a cost of production basis.

The main problem encountered is the familar one, namely that the Census data refer to changes in the industry total, which for input-output purposes, must be distributed on a commodity basis. The commodity composition of inventory changes of finished products was devised by intelligent guesswork, based on the commodity distribution of output in each industry.

Fixed capital formation was derived from Statistics Canada data published in Private and Public Investment in Canada. It should be noted that the column total in the tables is not the same as total new investment expenditures in the publication mentioned. The reason is to be found in the fact that total capital formation in the input-output tables represents capital expenditures of industries only. To obtain total expenditure on new construction and equipment, capital account purchases by the public sector have to be added to the capital expenditures of industries. In the tables we have shown public sectors purchasing both new and repair construction and new and repair machinery and equipment. One reason we opted for this treatment was because it was difficult to identify what was new and what was repair in public sector purchases, particularly of machinery and equipment. Furthermore, the public sector was defined differently for our purposes than the classification used in Private and Public Investment in Canada

The distribution of capital and repair expenditures was made in the following way: from tables showing "value of construction work, by type of structure" in the publication *Construction in Canada*, we deducted items representing public sector capital outlays (e.g., roads), thus leaving an aggregate estimate of construction expenditure for the private (industrial) sector. We then reconciled the deducted public sector expenditures with figures from the Business Finance Division of Statistics Canada. 'A similar process was followed for machinery and equipment purchases, using *Private and Public Investment in Canada*.

Exports

The export sectors of final demand were built up from an extensive survey carried out for the 1960 tables. This survey, already mentioned earlier in this chapter, was a mail survey in which questionnaires were sent to all manufacturing establishments included in the 1960 Census of Manufactures in the Atlantic Provinces. Each establishment was asked to dispose of the commodities produced in 1960 with respect to five geographic destinations: each of the three Atlantic Provinces, foreign markets, and shipments to the rest of Canada. The commodities listed for this disposition were those produced by the 3-digit S.I.C. group to which the

establishment belonged. Response to the survey was very good and gaps were filled by direct inquiry in the area and by prorating on the basis of completed returns. We used a variety of sources to determine the out-of-province shipments of primary products. Department of Agriculture bulletins were used to distribute agricultural output both by quantity and value for the 1960 tables. Publications of the Department of Mines, Forestry and Fisheries were similarly used to make a geographic distribution of the output of these sectors. In some cases, Trade of Canada data were used, but only as a guide, since the "port of exit" nature of these data inflates the value of Atlantic exports.

For the 1965 tables similar sources were used to allocate the output of primary industries. Various provincial government departments and the Atlantic Development Board studies provided information on commodity movements of wood and wood products, pulp and paper and secondary fishing. In manufacturing, estimates for Nova Scotia were based on an Export Survey for 1966 carried out by the Department of Industries of that province. Data on the movements of iron and steel products were supplied by the Voluntary Economic Planning Board of Nova Scotia. The New Brunswick Department of Industry Survey of the Geographical Destination of Selected Manufactures (1965) provided some commodity detail. The DBS survey -Destination of Shipments of Manufactures (1967) – was found to be of limited use because returns were made at the 3-digit S.I.C. level. As a result it was not possible to determine commodity movements. Where the DBS survey was our only source of information, the commodity mix of industry exports was assumed to be similar to its 1960 composition.

The Updated and Revised Tables for 1965

As mentioned previously, the methods used to construct tables for 1965 were the same as for 1960, that is, the recording and estimation of outputs and inputs of all producing sectors, the estimation of expenditures of final users, and the final balancing of the accounts of the four provinces. The main difference between the procedure for 1960 and 1965 was that we worked with somewhat less detail in 1965 than in 1960. A list of the 71-industry classification at which the 1965 tables were balanced is presented at the end of this chapter. However, to the extent that all outputs and a large part of inputs were recorded and estimated anew and separate balancing and reconciliation undertaken, the 1965 tables are new tables rather than a mechanical updating of the 1960 tables. We now outline the areas in which we proceeded differently from 1960.

The agricultural sector was defined as in 1960, but an attempt was made to subdivide the sector into three meaningful groups, according to size: large farms, small farms and subsistence farms. Although we estimated both inputs and outputs by size of farm, the final tables show only one agricultural sector, since we were unable to dispose of the output by type of farm.

The output of primary forestry was again defined to exclude the output of wood produced on farm woodlots, but estimates of the output of small logging operators were added to the DBS output figures as published in the Annual Census of Logging. The upward revisions were calculated from information from the Department of Forestry and a study on forestry in the Atlantic Provinces done by the Atlantic Development Board.¹³ The definition of the logging industry in use at the DBS in 1965 excludes operators with output less than 60m. cu. ft. per annum. According to this definition, there was no logging industry in Prince Edward Island in 1965. We however found it more convenient for analysis and comparison to show a nominal amount as the output of forestry in Prince Edward Island rather than to eliminate the industry altogether. Such action would have created the problem of having an output of forest products as a secondary product of agriculture without having a principal producer.

The fishery sector, both primary fishing and secondary, was treated in the same way as in 1960, and so was mining, with the small difference that contract drilling, which was included with the outputs and inputs of metal mining in 1960, was removed and included as part of a new industry called Services to Primary Industries. This industry consists of services incidental to agriculture and mining, such as veterinary services and breeding services, and contract drilling.

As in 1960 the most detailed work was done on the manufacturing sector. From the Census of Manufactures 1965 the following information was recorded at the 3-digit S.I.C. level of manufacturing establishments in each province:

- (a) value of shipments by commodity group,
- (b) value of change in inventory of finished goods,
- (c) wages and salaries,
- (d) employment,
- (e) number of establishments.

Examination of these series suggested that new cost structures should be estimated for many industries because there had been significant changes in value of shipments or in the number of establishments. From data in the Census of Manufactures 1965 new cost structures were estimated for 62 manufacturing industries which existed in 1960 – 32 in Nova Scotia, 21 in New Brunswick and 9 in Newfoundland. In addition, new cost structures were estimated for 20 industries which were not in existence in 1960, such as motor vehicle manufacturing in Nova Scotia and petroleum refining in Newfoundland. For the remaining industries, commodity and service inputs were derived by applying 1960 coefficients.

¹³ Forestry in the Atlantic Provinces, Background Study No. 1, Atlantic Development Board, Ottawa 1968.

Construction was again treated on an activity basis and the same three sub-sectors were built: residential, non-residential and engineering construction. We used the detailed studies on the cost structures in the construction industry in Quebec in 1961 to build the estimates for the four Atlantic Provinces in 1965.

In the service sectors outputs were recorded wherever data were available, such as transportation (except trucking) and utilities. The 1966 Census of Merchandising was used to build estimates of retail trade, but output of wholesale trade is an estimate based on changes in retail trade between the 1961 and 1966 Census, for at the time of our work, the Census data on wholesale trade had not been processed. New estimates were made of the output of other services - financial services, dwelling services, personal and business services. Methods of estimation were similar to those used in 1960, and in many cases 1960 coefficients were applied in order to complete the input structures where data were deficient. Only one change was made in the classification of services: whereas in 1960 postal services were included with other federal government services, in 1965 postal services were treated as a separate service industry, in which revenues from the sale of stamps, etc. were balanced against expenditures on wages, rents, etc. as published in the Public Accounts of Canada.

Estimates of expenditures by the final using sectors in 1965 were made in much the same way as in 1960. These methods were outlined in the preceding paragraphs, including the selected surveys used to determine the composition and destination of exports from the region.

3. The Balancing of the Input-output Tables

The balancing of the four tables was done in two stages: first an internal (arithmetic) balance was achieved and then further balancing and iterative corrections were undertaken with respect to independently available economic statistics (check totals) and with respect to the economic sense of the figures.

Arithmetic Balancing

This involves the first attempt to put the tables together, that is, to combine all the information gathered thus far on intermediate and final users of the output of industries, so that total use or demand is equal to total output or supply. The process inevitably involves adjustments to some of the original estimates - of intermediate use, of final use, or of output. Just how much adjustment is necessary depends, of course, on the accuracy of the original estimates, and indeed sometimes on the accuracy of the original data. It is at this point in the work that the value of earlier guessing at a detailed level, rather than at a more aggregated one, becomes apparent: for it is now easier to establish where an inaccurate estimate may have been made. On our worksheets we summed the intermediate and final uses of each commodity, compared this total

use with the available local commodity supply (provincial output plus imports from the other Atlantic Provinces) and obtained a residual which was our first estimate of imports originating outside the region. (Residual imports were permitted only for goods.) The supply-demand balances for all goods in the system were made simultaneously with respect to each of the four provinces in the system. Accuracy of estimates of residual imports originating outside the Atlantic Region into each of the four Atlantic Provinces thus depends on the accuracy of estimates of provincial output, on the one hand, and provincial uses, both final and intermediate, on the other. Where adjustments were necessary, these adjustments were usually made in the service sectors or in the final users, where data were likely to have been weaker at the outset. Any adjustment made in one sector necessarily sets in a train a chain of complementary and compensating adjustments in other industries. Balancing is thus an iterative process in which it becomes increasingly more difficult to make any changes at all. When the arithmetic balance has been achieved, and total commodity supplies equal total demands, for all commodities, one can proceed to the next stage.

Economic Balancing

After the tables have been brought into their (initial) arithmetic balance, and after the column sums of every component of final demand have been examined, evaluated and, where necessary, adjusted, attention focusses on the resulting row sums of primary inputs. Every input-output flow account contains an internal arithmetic identity between the sum of all primary inputs and the sum of all final demands. Insofar as we had made careful independent estimates of all components of final demand, all indirect economic indicators concerning the likely aggregate magnitude of final demand components such as personal consumption or federal expenditures etc. had already been embodied in our original estimates of final demand. Because the grand sum of all primary inputs is determined by the grand sum of all final demands (including competitively imported commodities, which are treated as a negative final demand) "economic balancing" is chiefly a question of confronting the provincial income estimates implied in the row sums of primary inputs with independent evidence and indicators. Estimates of primary inputs were made in fifteen categories, and later aggregated to seven rows in the published tables. The fifteen original categories were (1) taxes, subdivided into federal, provincial (general), provincial (fuel) and municipal; (2) subsidies, subdivided into federal and provincial; (3) non-competitive imports, subdivided and classified into non-competitive imports from each of the other Atlantic Provinces and from the "rest of the world"; (4) wages and salaries and supplementary labour income; (5) unincorporated business income; (6) depreciation, and (7) remaining surplus, subdivided into profit, and rent and interest. After having examined, reconciled and where necessary corrected the indirect

tax and subsidy items in the primary inputs and made offsetting changes to maintain arithmetic balance, we arrive at the ultimate confrontation, i.e., the comparison of provincial income components such as wages, salaries and supplementary labour income or corporate profits with the provincial breakdown of national accounts estimates made by Statistics Canada for Canada as a whole. This confrontation of independently arrived at estimates provides a useful check on the accuracy of the inputoutput tables and on the accuracy of Canada's national accounts. It should here be noted that the National Accounts Division of Statistics Canada produces estimates of personal income on a provincial breakdown; they do not estimate intermediate expenditure items on a provincial breakdown. We, on the other hand, obtained income estimates which were strongly influenced by our estimates of final expenditures - especially final expenditures on services.

In "economic balancing" we found errors in our input-output estimates. Thus our original allocation of federal indirect taxes, for example, proved to be an underestimate when confronted with global estimates of the provincial contribution to total Canadian federal government indirect tax receipts. This bias towards an underestimate resulted from our impression that exemption of producers from taxation on materials used in further production was more widespread than in fact it proved to be. On investigation it became evident that producers paid a considerable portion of commodity taxes and thus we allocated these taxes to industries, on the basis of each industry's consumption of taxable inputs, after having allocated to the personal consumption sector those federal indirect taxes which are clearly paid by households. An underestimate of taxes clearly implies an overestimate of some other item of primary input. One now must make a compensating downward adjustment in one or more primary inputs of each of the industries. Where feasible, we adjusted the surplus. Where, however, the cost profile of the industry did not make this appear reasonable, another item had to be reduced.

We should recall, at this time, that the full set of primary inputs is arranged in two fashions: (i) according to type (V matrix) and (ii) according to sector of receipt (Q matrix).14 Thus, for example, all wages, salaries. military pay and supplementary labour income, as well as all unincorporated income are considered to be household income; as is that portion of profit and rent and interest earned by all the producing sectors in the system which is estimated to be remittable to provincial residents. Net revenues of the various levels of government in the system of accounts are clearly equal to the sum of indirect taxes received less subsidies paid plus estimates of corporation tax receivable. Revenues of the "rest of the world" are composed of receipts for sale of non-competitive imports plus profits, rent and interest remitted or remittable to non-residents by virtue of the estimated control of the latter over industrial assets.

Where industries appeared to be controlled by non-residents we treated the entire surplus – before corporate taxes – as a remitted or remittable to the "rest of the world". (This might have resulted in an underestimate of corporate tax deriving from economic activity located in the Atlantic Region.) These estimated "splits" of profit, rent and interest between "households", federal and provincial governments, and the "rest of the world" were guided by auxiliary information on corporate ownership deriving largely from the Corporations and Labour Unions Returns Division of Statistics Canada. Capital consumption allowances were estimated separately for each industrial sector.

It is obvious, self evident and proper that in the course of the construction of the transaction flow tables we relied heavily on Statistics Canada data and we accepted certain Statistics Canada estimates as unchallengeable fixed points in the system. We did this in the case of fixed capital formation and construction activity. 15

In spite of our deliberate efforts to "bend" expenditure data downwards in order to keep it in conformity with Statistics Canada national accounts estimates, we were forced to arrive at the conclusion that there existed, at that time, a downward bias in Canada's national accounts estimates, resulting in 1960 in a downward bias in Statistics Canada estimates of provincial personal income of perhaps 5% to 7%.

It should be related that national accounts estimates made by Statistics Canada were revised in 1969, (14) and that upward revisions of personal income for each of the Atlantic Provinces, except Prince Edward Island, brought the national accounts estimates much closer to our 1960 estimates. The current revisions to the national accounts entail further, although smaller, upward adjustments to the estimates of provincial personal income in the Atlantic Provinces.

Conclusion

Clearly the construction of input-output accounts provides, among other benefits, a useful and effective evaluation of the quality and compatibility of the entire system of economic statistics, as well as a severe test of the skill and care exercised by the research team which undertakes to construct input-output tables. We are well aware of the fact that some of the figures in these tables could be improved. Experience gained in the construction of the 1960 tables has undoubtedly resulted in some improvements of estimates for 1965. We hope that others will continue to work where we have left it, and that the next set of input-output accounts for the Atlantic Provinces will embody further improvements both of data and of methods.

¹⁴ See Chapter 2 and earlier sections of this chapter.

¹⁵ We became convinced in the course of our study that Statistics Canada estimates of fixed capital formation and of construction activity tended to be low, i.e., appeared to underestimate the activities. We did not, however, have any statistically reliable means of making upward adjustments. We, therefore decided to make them fixed parts in the system – in spite of our awareness that they tended to be low.

TABLE 3.1 NS. Output and Supply Flows, J, M Nova Scotia, 1965 Model I (12 x 12)

					,			
******		Agricultural products	Forestry products	Primary fish	Mining products	Food, textiles	Wood, paper products	Steel, metal products
Item No.		1	2	3	4	5	6	7
			L	the	usands of doll	ars		
1 2 3 4 5 6	Agriculture Forestry Primary fishing Mining Food and textiles Sawmills, pulp and paper, printing	54,108	3,174 17,312	49,822 - -	69,095	214,858	732	-
7	Iron, steel, metals, machinery	_	296			_	87,211	179,476
8 9	Non-metallic, petroleum, chemicals	_		_	_	_	_	
10 11	Transportation, communications	_	- 1	-	_			-
12	All other services	_	_	_	_	_	_	=
13	Total commodity output	54,108	20,782	49,822	69,095	214,858	87,943	179,476
14 15 16 17 18	Imports: Nova Scotia New Brunswick Prince Edward Island Newfoundland Residual	1,633 5,912 70 16.826	35 - 70	- 85 222 6,000	145 	15,777 6,137 300 107,840	2,312 - 129 38,351	5,343 96 192,753
19	Total imports	24,441	105	6,307	5,775			198,192
20	Total commodity supply	78,549	20,888	56,129	74,870	344,913	128,736	377,669
21	Total intermediate demand	22,458	14,151	48,919				
22	Total domestic final demand	48,314	374	1,724				
23	Total exports	7,775	6,363	5,486	40,156	112,230	49,669	108,861
24	Total demand	78,549	20,888	56,129	74,870	344,913	128,736	377,669
						· · · · · · · · · · · · · · · · · · ·	7	
		Non-metallic, petroleum, chemicals	Con- struction	tat com	ion, muni- ions	Distri- bution	All other services	Total industry output
		petroleum,		tat com cat	ion, muni-			industry
		petroleum, chemicals	struction	tat com cat	ion, muni- ions	bution 11	services	industry output
		petroleum, chemicals	struction	tat com cat	ion, muni- ions	bution 11	services	industry output
1 2 3 4	Agriculture Forestry Primary fishing Mining	petroleum, chemicals	struction	tat com cat	ion, muni- ions	bution 11	services	13 62,239 18,044 49,822 69,095
4 5	Forestry Primary fishing Mining Food and textiles	petroleum, chemicals	struction	tat com cat	ion, muni- ions	bution 11 ars	4,957 4,957	13 62,239 18,044 49,822 69,095 214,858 87,507
4	Forestry Primary fishing Mining Food and textiles Sawmills, pulp and paper, printing Iron, steel, metals, machinery	petroleum, chemicals 8	struction 9	tat com cat	ion, muni- ions	bution 11 ars	4,957 4,957	13 62,239 18.044 49,822 69.095 214,858
4 5 6 7 8 9	Forestry Primary fishing Mining Food and textiles Sawmills, pulp and paper, printing Iron, steel, metals, machinery Non-metallic, petroleum, chemicals Construction	petroleum, chemicals	struction 9	tat com cat	ion, muni- ions 10	bution 11 11 11 11 11 11 11	4,957	13 62,239 18,044 49,822 69,095 214,858 87,507 179,981 93,257 256,356
4 5 6 7 8 9	Forestry Primary fishing Mining Food and textiles Sawmills, pulp and paper, printing Iron, steel, metals, machinery Non-metallic, petroleum, chemicals Construction Transportation, communications	petroleum, chemicals 8	struction 9	tat com cat	ion, muni- ions	bution 11 11 11 11 11 11 11	4,957	13 62,239 18.044 49.822 69.095 214,858 87,507 179,981 93,257 256,356 217,765 195,977
4 5 6 7 8 9	Forestry Primary fishing Mining Food and textiles Sawmills, pulp and paper, printing Iron, steel, metals, machinery Non-metallic, petroleum, chemicals Construction	petroleum, chemicals 8	struction 9	tat com cat	ion, muni- ions 10	bution 11 ars	4,957	13 62,239 18.044 49,822 69,095 214,858 87,507 179,981 93,257 256,356 217,765
4 5 6 7 8 9 10	Forestry Primary fishing Mining Food and textiles Sawmills, pulp and paper, printing Iron, steel, metals, machinery Non-metallic, petroleum, chemicals Construction Transportation, communications Distribution	petroleum, chemicals 8	9 struction	tat com cat	ion, muni- ions 10	bution 11 ars	4,957	13 62,239 18,044 49,822 69,095 214,858 87,507 179,981 93,257 256,356 217,765 195,977
4 5 6 7 8 9 10 11 12 13	Forestry Primary fishing Mining Food and textiles Sawmills, pulp and paper, printing Iron, steel, metals, machinery Non-metallic, petroleum, chemicals Construction Transportation, communications Distribution All other services Total commodity output Imports: Nova Scotia	petroleum, chemicals 8	struction 9 256 2 256	tat com cat the com cat the ca	ion, muni- ions 10 Dusands of doll - - - - - - - - 217,765	11 ars	4,957 4,957	13 62,239 18.044 49,822 69,095 214,858 87,507 179,981 93,257 256,356 217,765 195,977 426,692 1,871,595
4 5 6 7 8 9 10 11 12 13	Forestry Primary fishing Mining Food and textiles Sawmills, pulp and paper, printing Iron, steel, metals, machinery Non-metallic, petroleum, chemicals Construction Transportation, communications Distribution All other services Total commodity output Imports: Nova Scotia New Brunswick Prince Edward Island	93,76:	9 struction 9 256	tat com cat	ion, muni- ions 10 Dusands of doll - - - - - - - - - -	11 ars	4,957 4,957 - - - - - - - -	13 62,239 18.044 49,822 69,095 214,858 87,507 179,981 93,257 256,356 217,765 195,977 426,692 1,871,595
4 5 6 7 8 9 10 11 12 13	Forestry Primary fishing Mining Food and textiles Sawmills, pulp and paper, printing Iron, steel, metals, machinery Non-metallic, petroleum, chemicals Construction Transportation, communications Distribution All other services Total commodity output Imports: Nova Scotia New Brunswick Prince Edward Island Newfoundland	93,76:	struction 9 256 2 256	tat com cat the com cat the ca	ion, muni- ions 10 Dusands of doll 217,765 217,765	11 ars	4,957 -	industry output 13 62,239 18,044 49,822 69,095 214,858 87,507 179,981 93,257 256,356 217,765 217,765 195,977 426,692 1,871,595
4 5 6 7 8 9 10 11 12 13	Forestry Primary fishing Mining Food and textiles Sawmills, pulp and paper, printing Iron, steel, metals, machinery Non-metallic, petroleum, chemicals Construction Transportation, communications Distribution All other services Total commodity output Imports: Nova Scotia New Brunswick Prince Edward Island	93,76:	struction 9 256 2 256	tat com cat the com cat the ca	ion, muni- ions 10 Dusands of doll - - - - - - - - 217,765	11 ars	4,957 4,957 - - - - - - - -	industry output 13 62,239 18.044 49,822 69.095 214,858 87,507 179,981 93,257 256,356 217,765 195,977 426,692 1,871,595
4 5 6 7 8 9 10 11 12 13	Forestry Primary fishing Mining Food and textiles Sawmills, pulp and paper, printing Iron, steel, metals, machinery Non-metallic, petroleum, chemicals Construction Transportation, communications Distribution All other services Total commodity output Imports: Nova Scotia New Brunswick Prince Edward Island Newfoundland Residual	93,76:	struction 9 256 2 256	tat com cat the com cat the ca	ion, muni- ions 10 Dusands of doll 217,765 217,765	11 ars	4,957 -	industry output 13 62,239 18,044 49,822 69,095 214,858 87,507 179,981 93,257 256,356 217,765 217,765 195,977 426,692 1,871,595
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	Forestry Primary fishing Mining Food and textiles Sawmills, pulp and paper, printing Iron, steel, metals, machinery Non-metallic, petroleum, chemicals Construction Transportation, communications Distribution All other services Total commodity output Imports: Nova Scotia New Brunswick Prince Edward Island Newfoundland Residual Total imports Total commodity supply	93,76: 3,38: 15: 98: 22,18: 26,70: 120,47:	struction 9 256 2 256 2 256	tat com cat the com cat the com cat the com cat the ca	ion, munimum ons of doll outsands outsan	bution 11 11 11 11 11 11 11	4,957 4,957 - - - - - - - -	industry output 13 62,239 18,044 49,825 62,095 214,858 87,507 179,981 93,257 256,356 217,765 217,765 195,977 426,692 1,871,595 32,289 12,520 7,481 383,658 435,950 2,307,543
4 5 6 7 7 8 9 9 10 11 12 13 13 14 15 16 17 18 19 20 1	Forestry Primary fishing Mining Food and textiles Sawmills, pulp and paper, printing Iron, steel, metals, machinery Non-metallic, petroleum, chemicals Construction Transportation, communications Distribution All other services Total commodity output Imports: Nova Scotia New Brunswick Prince Edward Island Newfoundland Residual Total imports Total commodity supply Total intermediate demand	93,76: 3,38: 15: 98 22,18 26,70 120,47:	struction 9 256 2 256 2 256 4 34	tat com cat the cat th	ion, munimum ons of doll outsands outsan	bution 11 11 11 11 11 11 11	4,957 4,957 - - - - - - - -	industry output 13 62,239 18,044 49,822 69,095 214,858 87,507 179,981 93,257 256,356 217,765 195,977 426,692 1,871,595 32,289 12,520 7,481 383,658 435,950 2,307,543
4 5 6 7 7 8 9 9 10 11 12 13 13 14 15 16 6 17 18 19 20 12 21 22 1	Forestry Primary fishing Mining Food and textiles Sawmills, pulp and paper, printing Iron, steel, metals, machinery Non-metallic, petroleum, chemicals Construction Transportation, communications Distribution All other services Total commodity output Imports: Nova Scotia New Brunswick Prince Edward Island Newfoundland Residual Total imports Total commodity supply Total intermediate demand Total domestic final demand	93,76: 93,76: 3,38: 15: 98 22,18 26,70: 120,47:	struction 9 256 2 256 2 256 2 256	tat com cat the com cat the com cat the com cat the ca	ion, munimum ons of doll outsands outsan	bution 11 11 11 11 11 11 11	4,957 4,957 - - - - - - - -	industry output 13 62,239 18,044 49,825 62,095 214,858 87,507 179,981 93,257 256,356 217,765 217,765 195,977 426,692 1,871,595 32,289 12,520 7,481 383,658 435,950 2,307,543
4 5 6 7 7 8 9 9 10 11 12 13 13 14 15 16 17 18 19 20 1	Forestry Primary fishing Mining Food and textiles Sawmills, pulp and paper, printing Iron, steel, metals, machinery Non-metallic, petroleum, chemicals Construction Transportation, communications Distribution All other services Total commodity output Imports: Nova Scotia New Brunswick Prince Edward Island Newfoundland Residual Total imports Total commodity supply Total intermediate demand	93,76: 3,38: 15: 98 22,18 26,70 120,47:	struction 9 256 2 256 4 34 2 27 7	tat com cat the cat th	ion, munimum ons of doll outsands outsan	11 ars	4,957	industry output 13 62,239 18,044 49,822 69,095 214,858 87,507 179,981 93,257 256,356 217,765 195,977 426,692 1,871,595 32,289 12,520 7,481 383,658 435,950 2,307,543

TABLE 3.2NS. Inputs and Demand Flows, B, D, E Nova Scotia, 1965 Model I (12 x 12)

		Agri- culture	Forestry	Primary fishing	Mining	Food, textiles
Item			2	3 .	4	5
No.		1		housands of dollar		3
1 2 3 4 5 6 7 8 9	Agricultural products Forestry products Primary fish Mining products Food, textiles Wood, paper products Steel, metal products Non-metallic, petroleum, chemical products Construction Transportation, communications Distribution All other services	305 660 	21 - - 13 5 5 5 5 326 230 540 180 418	147 2,624 1,215 4,572 3,225 230 2,157 1,019 2,470	839 	22,045 48,919 228 14,698 8,558 4,517 1,824 1,329 11,291 4,607 7,537
13	Total intermediate inputs	30,044	2,269	17,660	18,636	125,557
15 16 17 18 19 20 21 22 23 24	Taxes Subsidies Non-competitive imports Wages and salaries Unincorporated business income Profit, rent, interest Depreciation Household income Education and hospitalization Provincial revenue Municipal revenue Federal revenue	2,306 - 2,377 300 6,299 19,789 875 5,003 26,926 - 37 2,250 - 2,247	900 22 5,601 5,144 2,351 1,753 12,845 931 11	1,372 - 205 300 11,250 13,892 2,359 3,192 27,321 - 1,381 20 - 54	1,545 993 35,804 3,000 5,302 3,813 39,401 - 1,143 589 1,440	2,362 20,121 42,084 2,945 17,200 4,577 54,591 1,550 1,421 3,683
25 26	Import leakage	300	22	300	4,071	23,466
27	Total primary inputs	32,195	15,775	32,161	50,458	89,290
28 29 30	Factor incomes Gross Domestic Product Employment	26,963 31,895 10,750	13,098 15,752 2,200	27,501 31,861 9,500	44,106 49,465 7,427	62,229 69,169 13,059
31	Total output	62,239	18,044	49,822	69,095	214,846
		Sawmills, pulp and paper, printing	Iron, steel, metals, machinery	Non-metallic, petroleum, chemicals	Con- struction	Transportation, communications
		6	7	8	9	10
1 -	Agricultural products		t	housands of dollar	s 83	_
2 3 4 5 6 7 8 9 10 11	Forestry products Primary fish Mining products Food, textiles Wood, paper products Steel, metal products Non-metallic, petroleum, chemical products Construction Transportation, communications Distribution All other services	12,638 - 5 313 8,419 3,012 1,949 395 6,568 2,487 5,470	6,400 20 1,626 34,239 5,479 3,943 16,926 6,468 4,578	949 20 393 1,458 1,670 1,091 2,636 1,042 3,575	5,803 328 23,493 31,428 22,475 211 22,710 13,674 17,399	28 69 563 6,313 10,219 4,821 17,365 4,224 32,460
13	Total intermediate inputs	41,259	79,682	12,838	137,605	76,064
14 15 16 17 18 19 20 21 22 23	Taxes Subsidies Non-competitive imports Wages and salaries Unincorporated business income Profit, rent, interest Depreciation Household income Education and hospitalization	1,046 4,313 24,725 4,171 9,655 2,336 31,441	2,269 - 999 23,828 58,805 5311 10,700 5,162 61,133	444 56,238 7,431 955 12,534 3,674 9,220	2,365 	10,506 -6,814 1,512 88,161 8,500 9,933 29,900 97,610
23 24		564	660 1,947	696 168	313 1,130	9,823 1,531 - 3,066
25 26	Provincial revenue Municipal revenue Federal revenue Import leakage	888 2,094 8,923	1,356 30,038	2,699 63,958	2,565 13,382	5,901
25	Municipal revenue Federal revenue Federal revenue	2,094	1,356			
25 26	Provincial revenue Municipal revenue Federal revenue Import leakage	2,094 8,923	1,356 30,038	63,958	13,382	5,901

TABLE 3.2NS. Inputs and Demand Flows, B, D, E—Continued Nova Scotia, 1965 Model I (12 x 12)

		Distri- bution	All other services	Personal consumption	Capital formation	Inventory change
Item No.		11	12	13	14	15
		1	ti	housands of dollars	1	
1 2 3 4 5 6 7 8 9 10 11	Agricultural products Forestry products Primary fish Mining products Food, textiles Wood, paper products Steel, metal products Non-metallic, petroleum, chemical products Construction Transportation, communications Distribution All other services	3 276 666 2,180 865 594 18,359 919 18,505	7,920 235 9,681 2,531 4,437 18,351 19,570 1,780 26,542	48,396 189 1,724 6,560 198,271 14,861 50,315 37,335 54,110 131,730 277,198	88,027 	- 495 145 2,940 293 213 537 1,077
13	Total intermediate inputs	42,371	91,050	820,691	207,669	4,712
14 15 16 17 18 19 20 21 22 23 24 25 26 27	Taxes Subsidies Non-competitive imports Wages and salaries Unincorporated business income Profit, rent, interest Depreciation Household income Education and hospitalization Provincial revenue Municipal revenue Federal revenue Import leakage Total primary inputs Factor incomes Gross Domestic Product Employment	2,713 2,677 79,988 16,830 39,742 11,654 120,066 2,401 1,851 6,555 11,077 153,605	\$2,442 - 4,207 25,871 94,491 39,431 84,950 42,661 188,629 - 15,307 38,113 6,763 44,166 335,641	124,874 90,043 	-	
31	Total output	195,976	426,691	1,035,609	207,669	4,712
		Federal government defence	Federal government civil	Provincial government	Municipal government	Educa- tion
		government	government civil	government		
1 2 3 4 5 6 7 8 9 10 11 12	Agricultural products Forestry products Primary fish Mining products Food, textiles Wood, paper products Steel, metal products Non-metallic, petroleum, chemical products Construction Transportation, communications Distribution All other services Total intermediate inputs	government defence 16	government civil	government	government	tion
2 3 4 5 6 7 8 9 10 11 12	Forestry products Primary fish Mining products Food, textiles Wood, paper products Steel, metal products Non-metallic, petroleum, chemical products Construction Transportation, communications Distribution All other services	government defence 16	government civil 17 ttl 100 3 - 104 376 311 4,252 505 26,361 2,577 1,173 1,422	18 18 17 17 10 18 18 19 19 19 19 19 19	25 37 640 175 255 678 430 7,811 3,400 500 3,043	20

TABLE 3.2NS. Inputs and Demand Flows, B, D, E. — Concluded Nova Scotia, 1965 Model I (12 x 12)

			Total		Exports	
		Hospital- ization	domestic final demand	Foreign	Canada	New Brunswick
Item No.		21	22	23	24	25
-			tl	nousands of dollars		
i	Agricultural products	271	48,314 374	3,465 5,650	1,860 712	1,013
2	Forestry products Primary fish	_	1,724		_	5,486 3,107
4 5	Mining products	354 2,418	12,677 202,626	10,923 51,319	24,128 47,579	5,420
6 7	Wood, paper products	813 1,607	22,462 169,860	36,462 19,781	9,176 74,587	1,160 10,903
8	Non-metallic, petroleum, chemical products	581 10,613	42,940 222,349	980	272	1,870
10 11	Transportation, communications	1,820 2,868	76,250 142,531	3,042 6,000	20,000 9,000	_
12	All other services	2,661	297,734	-	2,618	1,198
13	Total intermediate inputs	24,010	1,239,845	137,625	189,934	30,159
14	Taxes	_	124,874	-	14.000	_
15 16	Subsidies	5,510	103,127	_	- 14,000 -	_
17 18	Wages and salaries	30,431	270,420	_	_	-
19 20	Profit, rent, interest	1,999	29,811	_	una ann	
21	Household income Education and hospitalization	30,888	282,589 8,668	_	_	_
23	Provincial revenue Municipal revenue	~	50,439 3,295	_	_	_
25 26	Federal revenue Import leakage	7,053	62,471 120,769	_	- 14,000 -	_
27	Total primary inputs	37,941	528,234	_	- 14,000	_
21	Total plintary inputs	37,541	320,234	_	14,000	
28 29	Factor incomes	32,430 32,430	300,232 425,107		- 14,000	_
30	Employment	11,600	56,880	-	´ -	_
31	Total output	61,951	1,768,076	137,625	175,934	30,159
			Tr (
			Exports		Total	Total
		Prince Edward Island	Newfoundland	Total	Total intermediate demand	Total demand
				Total	intermediate	
		Island 26	Newfoundland 27		intermediate demand	demand
1 2	 Agricultural products	Island	Newfoundland	28 nousands of dollars 7,775 6,363	intermediate demand 29 22,458 14,151	30 78,549 20,888
1 2 3 4	Forestry products Primary fish Mining products	Island 26	Newfoundland 27 tl 1,425	28 nousands of dollars 7,775 6,363 5,486	29 22,458 14,151 48,919	30 78,549 20,888 56,129
	Forestry products Primary fish Mining products Food, textiles	12 12 - 526 1,952	Newfoundland 27 1,425 1,470 5,958	28 nousands of dollars 7,775 6,363 5,486 40,156 112,230	29 22,458 14,151 48,919 22,036 30,057	78,549 20,888 56,129 74,869 344,914
4 5 6 7	Forestry products Primary fish Mining products Food, textiles Wood, paper products Steel, metal products	12 	Newfoundland 27 t) 1,425 - 1,470 5,958 2,048 2,417	28 nousands of dollars 7,775 6,363 5,486 40,156 112,230 49,669 108,861	29 22,458 14,151 48,919 22,036 39,057 56,604 98,948	78,549 20,888 56,129 74,869 344,914 128,736 377,670
4 5 6 7 8 9	Forestry products Primary fish Mining products Food, textiles Wood, paper products Steel, metal products Non-metallic, petroleum, chemical products Construction	12 12 526 1,952 822	Newfoundland 27 1,425 - 1,470 5,958 2,048	28 nousands of dollars 7,775 6,363 5,486 40,156 112,230 49,669 108,861 20,247	intermediate demand 29 22,458 14,151 48,919 22,036 30,057 56,604 98,948 57,284 34,007	78,549 20,888 56,129 74,869 344,914 128,736 377,670 120,472 256,356
4 5 6 7 8	Forestry products Primary fish Mining products Food, textiles Wood, paper products Steel, metal products Non-metallic, petroleum, chemical products Construction Transportation, communications Distribution	12 	Newfoundland 27 t) 1,425 - 1,470 5,958 2,048 2,417	28 nousands of dollars 7,775 6,363 5,486 40,156 112,230 49,669 108,861 20,247 23,042 15,000	29 22,458 14,151 48,919 22,036 30,057 56,604 98,948 57,284 34,007 121,784 38,445	78,549 20,888 56,129 74,869 344,914 128,736 377,670 120,472 256,356 221,078 195,976
4 5 6 7 8 9 10	Forestry products Primary fish Mining products Food, textiles Wood, paper products Steel, metal products Non-metallic, petroleum, chemical products Construction Transportation, communications Distribution All other services	12	Newfoundland 27 1,425 - 1,470 5,958 2,048 2,417 8,814	28 nousands of dollars 7,775 6,363 5,486 40,156 112,230 49,669 108,861 20,247 23,042 15,000 3,816	29 22,458 14,151 48,919 22,036 39,057 56,604 98,948 57,284 34,007 121,784 38,445 130,354	78,549 20,888 56,129 74,869 344,914 128,736 377,670 120,472 256,356 221,078 195,976 431,905
4 5 6 7 8 9 10 11 12	Forestry products Primary fish Mining products Food, textiles Wood, paper products Steel, metal products Non-metallic, petroleum, chemical products Construction Transportation, communications Distribution All other services Total intermediate inputs	12 	Newfoundland 27 1,425 - 1,470 5,958 2,048 2,417 8,814	28 nousands of dollars 7,775 6,363 5,486 40,156 112,230 49,669 108,861 20,247 23,042 15,000	29 22,458 14,151 48,919 22,036 30,057 56,604 98,948 57,284 34,007 121,784 38,445	78,549 20,888 56,129 74,869 344,914 128,736 377,670 120,472 256,356 221,078 195,976
4 5 6 7 8 9 10 11	Forestry products Primary fish Mining products Food, textiles Wood, paper products Steel, metal products Non-metallic, petroleum, chemical products Construction Transportation, communications Distribution All other services Total intermediate inputs Taxes Subsidies	12	Newfoundland 27 1,425	28 nousands of dollars 7,775 6,363 5,486 40,156 112,230 49,669 108,861 20,247 23,042 15,000 3,816 392,649	intermediate demand 29 22,458 14,151 48,919 22,036 30,057 56,604 98,948 57,284 34,007 121,784 38,445 130,354 675,039	78,549 20,888 56,129 74,869 344,914 128,736 377,670 120,472 256,356 221,078 195,976 431,905 2,307,531
4 5 6 7 8 9 10 11 12 13	Forestry products Primary fish Mining products Food, textiles Wood, paper products Steel, metal products Non-metallic, petroleum, chemical products Construction Transportation, communications Distribution All other services Total intermediate inputs Taxes Subsidies Non-competitive imports	1sland 26 12	Newfoundland 27 1,425 1,470 5,958 2,048 2,417 8,814 22,135	28 nousands of dollars 7,775 6,363 5,486 40,156 112,230 49,669 108,861 20,247 23,042 15,000 3,816	intermediate demand 29 22,458 14,151 48,919 22,036 30,057 56,604 98,948 57,284 34,007 121,784 38,445 130,354 675,039	78,549 20,888 56,129 74,869 344,914 128,736 377,670 120,472 256,356 221,078 195,976 431,905 2,307,531
4 5 6 7 8 9 10 11 12 13	Forestry products Primary fish Mining products Food, textiles Wood, paper products Steel, metal products Non-metallic, petroleum, chemical products Construction Transportation, communications Distribution All other services Total intermediate inputs Taxes Subsidies Non-competitive imports Wages and salaries Unincorporated business income	18land 26 12	Newfoundland 27 1,425 1,470 5,958 2,048 2,417 8,814 22,135	28 nousands of dollars 7,775 6,363 5,486 40,156 112,230 49,669 108,861 20,247 23,042 15,000 3,816 392,649	intermediate demand 29 22,458 14,151 48,919 22,036 39,057 56,604 98,948 57,284 34,007 121,784 38,445 130,354 675,039	78,549 20,888 56,129 74,869 344,914 128,736 377,670 120,472 256,356 221,078 195,976 431,905 2,307,531
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	Forestry products Primary fish Mining products Food, textiles Wood, paper products Steel, metal products Non-metallic, petroleum, chemical products Construction Transportation, communications Distribution All other services Total intermediate inputs Taxes Subsidies Non-competitive imports Wages and salaries Unincorporated business income Profit, rent, interest Depreciation	18land 26 12	Newfoundland 27 1,425 - 1,470 5,958 2,048 2,417 8,814 22,135	28 nousands of dollars 7,775 6,363 5,486 40,156 112,230 49,669 108,861 20,247 23,042 15,000 3,816 392,649	intermediate demand 29 22,458 14,151 48,919 22,036 39,057 56,604 98,948 57,284 34,407 121,784 38,445 130,354 675,039 80,274 -14,602 146,774 539,466 122,331 204,672 117,628	78,549 20,888 56,129 74,869 344,914 128,736 377,670 120,472 256,356 221,078 195,976 431,905 2,307,531 205,149 -28,602 249,902 809,887 122,331 234,484 117,628
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	Forestry products Primary fish Mining products Food, textiles Wood, paper products Steel, metal products Non-metallic, petroleum, chemical products Construction Transportation, communications Distribution All other services Total intermediate inputs Taxes Subsidies Non-competitive imports Wages and salaries Unincorporated business income Profit, rent, interest Depreciation Household income Education and hospitalization	18land 26 12	Newfoundland 27 1,425 1,470 5,958 2,048 2,417 8,814 22,135	28 nousands of dollars 7,775 6,363 5,486 40,156 112,230 49,669 108,861 20,247 23,042 15,000 3,816 392,649	intermediate demand 29 22,458 14,151 48,919 22,036 30,057 56,604 98,948 57,284 34,007 121,784 38,445 130,354 675,039 80,274 - 14,602 146,774 539,466 122,331 204,672	78,549 20,888 56,129 74,869 344,914 128,736 377,670 120,472 256,356 221,078 195,976 431,905 2,307,531 205,149 - 28,602 249,902 809,887 122,331 234,484
4 56 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 22 23 24	Forestry products Primary fish Mining products Food, textiles Wood, paper products Steel, metal products Non-metallic, petroleum, chemical products Construction Transportation, communications Distribution All other services Total intermediate inputs Taxes Subsidies Non-competitive imports Wages and salaries Unincorporated business income Profit, rent, interest Depreciation Household income Education and hospitalization Provincial revenue Municipal revenue	1sland 26 12	Newfoundland 27 1,425 1,470 5,958 2,048 2,417 8,814 22,135	28 nousands of dollars 7,775 6,363 5,486 40,156 112,230 49,669 108,861 20,247 23,042 15,000 3,816 392,649	intermediate demand 29 22,458 14,151 48,919 22,036 39,057 56,604 98,948 57,284 34,007 121,784 38,445 130,354 675,039 80,274 -14,602 146,774 539,466 122,331 204,672 117,628 766,646 34,738	78,549 20,888 56,129 74,869 344,914 128,736 377,670 120,472 256,356 221,078 195,976 431,905 2,307,531 205,149 -28,602 249,902 809,887 122,331 234,484 117,628 1,049,236 8,668
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	Forestry products Primary fish Mining products Food, textiles Wood, paper products Steel, metal products Non-metallic, petroleum, chemical products Construction Transportation, communications Distribution All other services Total intermediate inputs Taxes Subsidies Non-competitive imports Wages and salaries Unincorporated business income Profit, rent, interest Depreciation Household income Education and hospitalization Provincial revenue	1sland 26 12	Newfoundland 27 1,425 - 1,470 5,958 2,048 2,417 8,814 22,135	28 nousands of dollars 7,775 6,363 5,486 40,156 112,230 49,669 108,861 20,247 23,042 15,000 3,816 392,649	intermediate demand 29 22,458 14,151 48,919 22,036 30,057 56,604 98,948 57,284 34,007 121,784 38,445 130,354 675,039 80,274 -14,602 146,774 539,466 122,331 204,672 117,628 766,646 34,738 49,923 21,999	78,549 20,888 56,129 74,869 344,914 128,736 377,670 120,472 256,356 221,078 195,976 431,905 2,307,531 205,149 - 28,602 249,902 249,902 249,902 309,887 122,331 234,484 117,628 1,049,236 8,668 85,177 53,219 70,471
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25	Forestry products Primary fish Mining products Food, textiles Wood, paper products Steel, metal products Non-metallic, petroleum, chemical products Construction Transportation, communications Distribution All other services Total intermediate inputs Taxes Subsidies Non-competitive imports Wages and salaries Unincorporated business income Profit, rent, interest Depreciation Household income Education and hospitalization Provincial revenue Municipal revenue Federal revenue	1sland 26 12	Newfoundland 27 1,425 1,470 5,958 2,048 2,417 8,814 22,135	28 nousands of dollars 7,775 6,363 5,486 40,156 112,230 49,669 108,861 20,247 23,042 15,000 3,816 392,649	intermediate demand 29 22,458 14,151 48,919 22,036 39,057 56,604 98,948 57,284 34,007 121,784 38,445 130,354 675,039 80,274 -14,602 146,774 539,466 122,331 204,672 117,628 766,646 -34,738 49,923	78,549 20,888 56,129 74,869 344,914 128,736 377,670 120,472 256,356 221,078 195,976 431,905 2,307,531 205,149 - 28,602 249,902 809,887 122,331 234,484 117,628 1,049,236 8,668 85,177 53,219
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 22 22 24 25 26 27	Forestry products Primary fish Mining products Food, textiles Wood, paper products Steel, metal products Non-metallic, petroleum, chemical products Construction Transportation, communications Distribution All other services Total intermediate inputs Taxes Subsidies Non-competitive imports Wages and salaries Unincorporated business income Profit, rent, interest Depreciation Household income Education and hospitalization Provincial revenue Municipal revenue Import leakage Total primary inputs	1sland 26 12	Newfoundland 27 1,425 - 1,470 5,958 2,048 2,417 8,814	28 nousands of dollars 7,775 6,363 5,486 40,156 112,230 49,669 108,861 20,247 23,042 15,000 3,816 392,649	intermediate demand 29 22,458 14,151 48,919 22,036 30,057 56,604 98,948 57,284 34,007 121,784 38,445 130,354 675,039 80,274 - 14,602 146,774 539,466 122,331 204,672 117,628 766,646 34,738 49,923 21,999 205,608 1,196,542	78,549 20,888 56,129 74,869 344,914 128,736 377,670 120,472 2266,356 221,078 195,976 431,905 2,307,531 205,149 - 28,602 249,902 249,902 249,902 309,887 122,331 234,484 117,628 1,049,236 8,668 85,177 53,219 70,471 326,378 1,710,774
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27	Forestry products Primary fish Mining products Food, textiles Wood, paper products Steel, metal products Non-metallic, petroleum, chemical products Construction Transportation, communications Distribution All other services Total intermediate inputs Taxes Subsidies Non-competitive imports Wages and salaries Unincorporated business income Profit, rent, interest Depreciation Household income Education and hospitalization Provincial revenue Municipal revenue Hunicipal revenue Import leakage Total primary inputs Factor incomes Gross Domestic Product	1sland 26 12	Newfoundland 27 1,425	28 nousands of dollars 7,775 6,363 5,486 40,156 112,230 49,669 108,861 20,247 23,042 15,000 3,816 392,649	intermediate demand 29 22,458 14,151 48,919 22,036 30,057 56,604 98,948 57,284 34,007 121,784 38,445 130,354 675,039 80,274 - 14,602 146,774 539,466 122,331 204,672 117,628 766,646 34,738 49,923 21,999 205,608 1,196,542	78,549 20,888 56,129 74,869 344,914 128,736 377,670 120,472 256,356 221,078 195,976 431,905 2,307,531 205,149 - 28,602 249,902 809,887 122,381 1234,484 117,628 1,049,236 8,668 85,177 53,219 70,471 326,378 1,710,774
4 56 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27	Forestry products Primary fish Mining products Food, textiles Wood, paper products Steel, metal products Non-metallic, petroleum, chemical products Construction Transportation, communications Distribution All other services Total intermediate inputs Taxes Subsidies Non-competitive imports Wages and salaries Unincorporated business income Profit, rent, interest Depreciation Household income Education and hospitalization Provincial revenue Municipal revenue Import leakage Total primary inputs	1sland 26 12	Newfoundland 27 1,425 1,470 5,958 2,048 2,417 8,814 22,135	28 nousands of dollars 7,775 6,363 5,486 40,156 112,230 49,669 108,861 20,247 23,042 15,000 3,816 392,649	intermediate demand 29 22,458 14,151 48,919 22,036 30,057 56,604 98,948 57,284 34,007 121,784 38,445 130,354 675,039 80,274 -14,602 146,774 -14,602 146,774 539,466 122,331 204,672 117,628 766,646 34,738 49,923 21,999 205,608 1,196,542	78,549 20,888 56,129 74,869 344,914 128,736 377,670 120,472 256,356 221,078 195,976 431,905 2,307,531 205,149 - 28,602 249,902 809,887 122,331 234,484 117,628 1,049,236 8,668 85,177 53,219 70,471 326,378 1,710,774

TABLE 3.1 AR. Output and Supply Flows, J, M Atlantic Region, 1965 Model I (12 x 8)

Item No.		ani autaun-1						
		gricultural products	Forestry products	Primary fish	Mining products	Food, textile		Steel, metal products
110.		1	2	3	4	5	6	-
4. I Australia					isands of do	ollars		
1 Agriculture		162,834	6,289	-	_		- -	
2 Forestry, fishing		-	91,716	96,275	-		- 960	
3 Mining		-	- 1	- 1	291,30		- -	
		-	1 426	- 1		,		1
6 Construction		-	1,425	- 1		. [25 375,692	242,008
7 Transportation, communications, distrib			_	- 1				, –
		_	_	_	_		_	
				1			1	
9 Total commodity output	• • • • • • • • • • • • • • • • • • • •	162,834	99,430	96,275	291,30	0 515,	376,677	242,008
10 Total imports		33,139	2,583	1,605	13,90	8 262,	192 97,435	540,820
11 Total commodity supply		195,974	102,014	97,880	305,20	9 777,	310 474,113	782,828
12 Total intermediate demand		59,420	81,242	92,311	49,97	0 67,	271 150,649	249,687
13 Total domestic final demand		98,633	- 5,222	5,569	24,76	0 490,	536 53,163	418,805
14 Total exports		37,919	25,994	-	230,47	7 219,	502 270,30	114,336
15 Total demand		195,973	102,014	97,880	305,20	8 777,	310 474,114	782,829
	1	Non-metallic, petroleum, chemical products	Con- struction	Transport		Distri- oution	Services, all other	Total industry output
	-	8	9	10		11	12	13
				tho	usands of d	ollars		
1 Agriculture		atu-	-	-	-	-	13,014	182,137
2 Forestry, fishing		_	-	-	-	-	-	188,951
3 Mining		_	_	-	-	-	-	291,300
4 Food and textiles		5	1	-	-	-	-	515,123
		189,844		6		-		808,994 737,136
6 Construction		_	737,13		54,926	458,768		1,013,694
7 Transportation, communications, distrib	,			_	_	-	997,834	997,834
8 All other services					1		,,,,,,	
9 Total commodity output		189,849	737,13	55	54,926	458,768	1,010,848	4,735,168
10 Total imports		70,886	-	-	-	-	2,108	1,024,679
11 Total commodity supply		260,736	737,13	55	54,926	458,768	1,012,956	5,759,847
12 Total intermediate demand		164,935	85,77	76 30	04,309	101,183	343,653	1,750,410
13 Total domestic final demand		90,198	651,35	19 19	91,677	342,584	661,059	3,023,122
14 Total exports		5,601	-	- 4	58,938	15,000	8,241	986,313
		260,735	737,13	55 55	54,925	458,767	1,012,954	5,759,845

TABLE 3.2AR. Inputs and Demand Flows, B, D, E Atlantic Region, 1965 Model I (12 x 8)

		Agri- culture	Forestry, fishing	Mining	Food, textiles	All other manufacturing
Item		1	2	3	4	5
No.		1	-	thousands of dollars		
1 2 3 4 5 6 7 8 9 10 11	Agricultural products Forestry products Primary fish Mining products Food, textiles Wood, paper products Steel, metal products Non-metallic, petroleum, chemical products Construction Transportation, communications Distribution All other services	2,993 1,407 1,411 23,997 848 5,568 15,398 5,247 5,976 4,333 20,706	81 - 808 5,782 2,329 11,958 7,595 2,030 6,294 2,562 7,222	3,839 31,708 7,848 5,196 13,983 3,471 22,275	56,062 10 92,311 426 33,263 19,887 10,486 5,065 3,649 31,136 11,452 17,531	78,985
13	Total intermediate inputs	87,884	46,665	89,293	281,283	331,480
14 15 16 17 18 19 20 21 22	Taxes Subsidies Non-competitive imports Wages and salaries Unincorporated business income Profit, rent, interest Depreciation Household income Education and hospitalization	5,506 - 5,900 1,358 18,334 57,461 3,428 14,065 79,136	9,014 - 689 664 67,184 36,577 16,905 12,628 117,657	8,764 - 96 12,715 90,006 7,677 53,871 29,069 100,861	5,686 66,588 96,199 5,846 46,664 12,855 124,259	8,176 - 999 146,295 195,376 8,420 87,378 32,867 223,675
23 24 25 26	Provincial revenue Municipal revenue Federal revenue Import leakage	- 562 5,355 - 5,100 1,358	8,942 187 61 2,808	6,337 2,588 5,316 57,835	3,998 3,508 9,916 79,302	5,765 5,698 18,106 191,400
27	Total primary inputs	94,252	142,285	202,007	233,840	477,515
28 29 30	Factor incomes Gross Domestic Product Employment	79,223 92,894 29,500	120,667 141,621 41,200	151,555 189,291 16,053	148,710 167,251 30,610	291,173 331,216 39,854
31	Total output	182,137	188,950	291,300	515,123	808,995
		Con- struction	Transportation, communications, distribution	Services, all other	Personal consumption	Capital formation
	1	6	7	8	9	10
1 2 3 4 5 6 7 8 9 10 11 12	Agricultural products Forestry products Primary fish Mining products Food, textiles Wood, paper products Steel, metal products Non-metallic, petroleum, chemical products Construction Transportation, communications Distribution All other services	215 	10 -267 1,090 2,943 25,511 29,157 13,285 88,596 14,552 123,091	thousands of dollar	s 102,038 1,792 5,569 12,210 479,122 37,603 120,053 79,149	236,024 373,696
13	Total intermediate inputs	396,236	298,506	219,062	1,928,870	609,720
14 15 16 17 18 19 20 21 22 23 24 25 26	Taxes Subsidies Non-competitive imports Wages and salaries Unincorporated business income Profit, rent, interest Depreciation Household income Education and hospitalization Provincial revenue Municipal revenue Federal revenue Import leakage	15,874 	30,101 - 24,186 12,566 438,917 72,098 92,989 92,700 546,686 - 29,413 7,631 5,580	101,876 - 5,330 64,980 217,042 80,490 214,977 104,735 412,225 36,537 68,683 22,659	308,812 	
27	Total primary inputs	38,802 340,899	33,175 715,187	133,930 778,771	201,086 509,898	-
28 29	Factor incomes Gross Domestic Product	279,615 309,139	604,005 702,620	512,509 713,790	308,812	
30	Employment	56,325	131,090	87,317	_	_
	Employment	56,325	131 090	87 317		

TABLE 3.2 AR. Input and Demand Flows, B, D, E—Concluded Atlantic Region, 1965 Model I (12 x 8)

Item		Inventory change	Federal government defence	Fed govern ci		Provincial governmen	Municipal government	Education	Hospital
No.		11	12	1	.3	14	15	16	17
					the	ousands of do	llars		
1 2	Agricultural products Forestry products	- 5,214 - 7,134	81		186	19			1,277
3	Primary fish	7,597	2,133		181	14	. _	-	549
5	Food, textiles	1,437 1,480	2,080 1,046		700	61	2 46	9 48	6,066
7	Steel, metal products	418	24,340		464	4,15 6,32	4 3,17	6 4,231	1,927 5,601
9	Non-metallic, petroleum, chemical products Construction	- 622	2,510 18,345		1,169	2,01 134,06			2,011 19,255
11	Transportation, communications	men.	2,624 3,187		5,425 2,006	19,06 2,67	7,84	6 7,002	3,44 4,74
12	All other services	-	7,185		3,646	11,01			6,54
13	Total intermediate inputs	- 2,035	63,533		33,275	180,24	8 42,46	9 65,601	51,44
14 15	Taxes	-	_		_	_	-	-	-
16	Subsidies	_	2,006		1,298	3,94			13,97
17 18	Wages and salaries	_	141,641	13	31,494	60,98	-	- 1	75,92
19 20	Profit, rent, interest	_	_		_	46,79	7,40	4 14,876	3,654
21	Household income	_	141,641	13	31,494	78,27	8 24,89	8 123,834	76,98
23 24	Provincial revenue	_	_					_	_
25	Federal revenue	_	2,006		1,298	33,44	7,90	-	16,57
27	Total primary inputs	_	143,647	13	32,791	111,72			93,55
20			141.641	1.	31,494	107.77	8 29,79	124.050	70.50
28 29 30	Factor incomes	=	141,641 141,641 23,600	13	31,494 25,200	107,77 107,77 12,15	8 29,79	2 134,059	79,58 79,58 28,90
31	Total output	- 2,035	207,180		16,067	291,96			145,00
	1	Total			Ex	ports		Total	Total
		domestic demand	Foreig	gn	Ca	nada	Total	intermediate demand	demand
		18	19			20	21	22	23
					th	ousands of de			
1 2	Agricultural products	98,63 - 5,22		4,749		23,170 4,712	37,919 25,994	59,420 81,242	195,97 102,01
3	Primary fish	5,56 24,76	59	0,070		60,407	230,477	92,311 49,970	97,88 305,20
5	Food, textiles	490,53 53,16	12	0,931		98,570 49,285	219,502 270,301	67,271 150,649	777,31 474,11
6	Wood, paper products	418,80)5 2	2,656		91,680	114,336	249,687 164,935	782,82 260,86
8	Non-metallic, petroleum, chemical products Construction	90,19 651,35	19	1,927		-	58,938	85,776	737,13 554,92
10 11	Transportation, communications	191,67 342,58	34	3,533		35,405 9,000	15,000	304,309 101,183	458,76
12	All other services	3,023,12		2,170		8,235 384,270	986,441	343,653 1,750,410	1,012,95 5,759,97
13	Total intermediate inputs			-,-,-					
14 15	Taxes	308,81	-	_		- 15,500	- 15,500	184,998	493,81 - 52,70
16 17	Non-competitive imports	232,26 551,61		_		_	_	336,928 1,354,996	569,19 1,906,60
18	Unincorporated business income	72,73	-			_	_	289,471 542,996	289,47 615,72
19 20	Profit, rent, interest	-	-	-		_	_	312,570 1,870,405	312,57 2,447,53
21 22	Household income	577,12 18,44	12	-		-	_	99.954	18,44
23 24	Provincial revenue	133,15 9,27 147,94	13	_		15.500	-	97,799	233,10
25 26	Federal revenue	147,94 279,48	35	_		- 15,500	- 15,500	65,415 538,612	197,85 818,09
27	Total primary inputs	1,165,42	25	-		- 15,500	- 15,500	2,984,758	4,134,68
28	Factor incomes	624,34		- 1		-	-	2,187,460	2,811,80
29 30	Gross Domestic Product	933,15 124,03	8	-		- 15,500 -	- 15,500	2,647,825 431,949	3,565,48 555,97
		4,188,54	-1 (6	2,170		368,770	970,941	4,735,169	9,894,650







LIST 1. Classification of 180 Commodities and 97 Industries used to Compile the Original Atlantic Provinces Input-output Tables, 1960

No.	Commodities	Input-output commodity number	S.I.C. number of principal producer	Input-output industry number
	Agricultural products (11):			
1	Livestock	10001	010	1
2	Poultry	10002		
3	Dairy Fresh milk Farm butter	10003		
4	Eggs	10004		
5	Potatoes	10005		
6	Vegetables	10006		
7	Atlantic fruit Apples Blueberries Strawberries Other Atlantic fruit	10007		
8	Feed and seed crops Oats Clover and grain seed Hay and clover	10008		
9	Wool and furs	10009		
10	Maple, honey and tobacco	10010		
11	Miscellaneous agricultural products	10011		
	Primary forest products (3):			
12	Logs and bolts	10101	030	2
13	Pulpwood	10102		
14	Other forest products Fuelwood Poles and piling Round mine timber Fence posts Fence rails Wood for charcoal Miscellaneous roundwood Christmas Trees	10103		
	Primary fish (2):			
15	Primary molluscs and crustaceans	10201	040	3.
16	Primary groundfish, pelagic and estuarial Groundfish Herring All other fish, etc.	10301	041	4

LIST 1. Classification of 180 Commodities and 97 Industries used to Compile the Original Atlantic Provinces Input-output Tables, 1960 — Continued

	Atlantic Provinces input-output Tables, 1	700 - Continue	·u	
No.	Commodities	Input-output commodity number	S.I.C. number of principal producer	Input-output industry number
	Mining products (11):			
17	Non-ferrous metals	10401	050	5
18	Iron ore	10402		
19	Coal	10403	060	6
20	Gypsum	10404	070	7
21	Salt	10405		
22	Peat moss	10406		
23	Quartz	10407		
24	Other nonmetallic minerals	10408		
25	Petroleum and natural gas	10409	063,065	
26	Stone, sand and gravel	10410	080	8
27	Contract drilling	10411	090	9
			« [
	Manufactured products (128):			
	Food processing (30):			
28	Meat, fresh, frozen and cured	00101	101	10
29 30	Meat, canned and processed	00102 00103		
31	Skins, hides and by-products	00104		
22	(Poultry – 103)	00201	103	11
32	Poultry	00201	103	11
33	Fluid milk and cream	00301	105	12
	Milk Cream			
34	Butter and cheese	00303		
34	Cheese	00303		
	Butter			
35 36	Milk, powdered and canned	00305 00306	1	
50	Ice cream and mixes	00300		
	Other dairy products		manus rouse	
37 38	Lobster and other shellfish, in shell or shucked Canned shellfish products	00401 00402	110	13
39	Squib and other by-products	00403		
40 41	Groundfish, etc., fresh, frozen and salted	00501	111	14
42	Canned fish other than shellfish Fishery by-products	00502 00503		
	Fish ore Fish meal			
	Glue			
	Seagrasses Seal skins			
	Scales, etc.			
40	Miscellaneous			
43	Processed vegetable	00601	112	15
	Vegetables, canned			
4.4	Pickles			
44	Apple products Vinegar (cider)	00603	112	15
	Apple juice			
A.E.	Other apple products			
45	Fruit products, including jam	00606		
	Fruit, canned			
4.6	Jams, jellies, etc.			
46	Animal feeds	00701	123	16
	Custom milling			

LIST 1. Classification of 180 Commodities and 97 Industries used to Compile the Original Atlantic Provinces Input-output Tables, 1960 —Continued

				1
No.	Commodities	Input-output commodity number	S.I.C. number of principal producer	Input-output industry number
	Manufactured products (128) – Continued:			
	Food processing (30) –Concluded:			
47	Bread	00001	120 120	1.0
48	Other bakery products Biscuits and sweet bakeries Other bakery products	00801 00802	128-129	17
49	Confectionery (Bakery products – 128-129)	00901	131	. 18
50	Sugar	01001	133	19
51	Tea and coffee	01101	139	20
52	Margarine	01108		
53	Spices, fruit, nuts, etc. Spices, seasoning Peanut butter Raisins, currants, peanuts Baking powder Miscellaneous products (Preserves and jams - 112) Potato products	01103		
54	Soft drinks	01201	141	21
55	Alcoholic spirits	01301	143	22
56	Beer Beer and ale Scrap cartons Grain and dried yeast	01401	145	23
57	Vinegar and wine	01501	147	15
1	Footwear, clothing and textiles (13):			
58	Footwear	01701	174	24
59	Gloves, luggage and leather products	01801	175-179	25
60	Broad woven fabrics Broad woven cotton fabrics Broad woven fixed fabrics	01901	183	26
61	Cotton yarn	01906		
62	Felts and waste	01904		
63	Wool yarn Wool yarn Custom processing	02001	193	27
64	Wool fabrics	02101	197	
65	Cordage and twine Rope Cordage and twine Fishing nets Yarn and other products	02201	213	28
66	Narrow fabrics Cotton knit fabrics Ribbon and woven narrow fabrics	02301	214	
67	Canvas products	02401	221	
67	Cotton and jute bags	02501	223	29
68	Contoll and June Dags			

LIST 1. Classification of 180 Commodities and 97 Industries used to Compile the Original
Atlantic Provinces Input-output Tables, 1960 — Continued

No.	Commodities	Input-output commodity number	S.I.C. number of principal producer	Input-output industry number
	Manufactured products (128) - Continued			
	Footwear, clothing and textiles (13) – Concluded			
69	Hosiery	02701	231	30
70	Clothing, including furs Knitted clothing Men's clothing Women's and children's clothing Fur apparel and custom work Hat and cap makers material Hats and caps	02702	239 243 244-245 246 247	31
	Wood and paper products (23):			
71	Lumber and ties	02801	251	32
72	Lath and shingle	02805	251	32
73	Other sawmill products Woodwaste, pulpchips, logs ends Lobster traps Spool wood and small squares Custom work (Fence pickets - 030) (Box shooks - 256) (Sash and door - 254 (Cooperage - 259) (Moulding - 254)	02806		
74	Veneer and plywood	02901	252	33
75	Sash and door	03001	254	34
76	Hardwood flooring	03007		
77	Other mill work Moulding Kitchen units, cabinets Prefabricated buildings Mill work, n.e.s. Custom work Other wood products (Furniture — 261-268) (Lumber — 251) (Wooden boxes — 256) (Slabs and edgings — 251) (Potato barrels — 259)	03002		
78	Wooden boxes	03101	256	35
79	Coffins and caskets	03201	258	
80	Cooperage	03301	259	36
81	Handles and turnings, etc. Handles and turnings Excelsior and particle board Oars and paddles Other products	03302	307	
82	Wood treated and preserved Wood treated Custom work Asphalt emulsified Other preservation (Sash and door - 254) (Box shooks - 256)	03304	259	

LIST 1. Classification of 180 Commodities and 97 Industries used to Compile the Original Atlantic Provinces Input-output Tables, 1960 — Continued

No,	Commodities	Input-output commodity number	S.I.C. number of principal producer	Input-output industry number
	Manufactured products (118) Continued:			
	Wood and paper products (23) - Concluded:			
83	Furniture and repairs Upholstered repairs Other household furniture Other furniture Institutional furniture	03401	261 - 268	37
	Springs, beds, mattresses Other products Custom work (Sash and door – 254) (Mill work – 254)			
84	Newsprint	03501	271	38
85	Wood pulp	03502 03504		
86	Paper board, container grade, and building paper and board			
87	Tissue paper etc. Pulp and paper by-products Cores of paper Toilet and tissue paper	03505		
88	Pulp and paper by-products, e.g. steam	03506		
89	Asphalt shingles and cement	03601	272	39
90	Folding and set-up boxes	03701	273	40
91	Paper bags	03704		
92	Paper containers and closures Paper plates Eggs case fillers Milk bottle caps (paper) etc.	03801	274	
93	Printing and publishing	03901	286 - 289	41
	Metal products (26):			
94	Semi-finished steel Steel ingots Hot rolled steel (blooms, billets, etc.)	04008	291	42
95	Electric steel castings	04009	291	42
96	Rails and tie plates	04011		
97	Wire rods and other products	04012		
98	Concrete reinforcing and other steel bars Concrete reinforcing Hot rolled bars — All grades	04013		
99	Coke and coke oven gas	04001		
100		04004		
101	Iron foundry products Grey iron castings Water pipes, municipal casting Zinc products Other products Repairs	04101	294-298	43
102	-	04201	301	44

LIST 1. Classification of 180 Commodities and 97 Industries used to Compile the Original Atlantic Provinces Input-output Tables, 1960 — Continued

No.	Commodities	Input-output commodity number	S.I.C. number of principal producer	Input-output industry number
1				
1	Manufactured products (128) – Continued:			
	Metal products (26) — Concluded:	0.400.5		
103 104	Oil burner	04205 04207	302	45
105	Other steel products and repair Other steel products Custom and repair work (Machinery – 315) (Concrete reinforcing bars – 291) (Nails, nuts and screws – 305)	04208	301	44
106	Metal doors and windows, etc. Aluminum doors and windows Architectural iron and steel Repair work	04301	303	46
107	Metal containers, including fish cans	04401 04402	304 309	47
108	Culvert pipe and sheet metal Other metal stampings	04403	304	47
100	Pipe and elbow roofing corner beads Tin plate scrap Custom and repair work	04403	304	1
110	Wire and wire fencing Fencing mesh, steel strapping, etc. Wire, plain, coated, barbed	04501	305-306	48
111	Nails, staples, nuts, bolts	04502		40
112	Hand tools and builders hardware	04505 04601	307	49
114 115 116	Machine shops custom work and repairs Axles and other forgings Hydrants and valves Valves Hydrants	04701 04802 04804	308 309	50 51
117	Barrels, drums and repair Highways guardrail Other products Repair and custom work (Machinery – 315) (Tanks and boilers – 301-302)	04807		
118	Machinery parts and repair Coal cutting machinery Mining machinery and parts Engines (gas and diesel) and parts Machinery and parts Ships equipment Pumps Custom work	04901	315	52
119	Frozen food cabinets	05001	316	53
	Transportation equipment and electrical products (11):			
120	Aircraft parts and repair Aircraft parts Aircraft repair	05101	321	54
121	Truck, body and trailers and parts Bus and truck bodies, trailer Motor vehicle parts Custom work	05201	324	55
122	Rolling stock, parts and repair Railway wheels Railway rolling stock and parts Repair work	05301	326	56
123	Boats	05401	327-328	57

LIST 1. Classification of 180 Commodities and 97 Industries used to Compile the Original Atlantic Provinces Input-output Tables, 1960 — Continued

No.	Commodities	Input-output commodity number	S.I.C. number of principal producer	Input-output industry number
			7	
124	Transportation equipment and electrical products (11) – Concluded: Ships and vessels Ferries, dredges, tugs Passenger ships Industrial jobs Naval and commercial vehicles	05403		
125	Ship and boat repair, naval and commercial (Ships machinery – 315) (Storage tanks – 301-302)	05409		
126	Stoves and heaters Stoves, ranges, heaters, appliances Custom and repair work (Furnaces – 307)	05501	332	58
127 128 129	Radar and electronic instruments Radio, record players and parts Electronic tubes and repair Tubes Repair (Telephone materials – 338)	05601 05602 05603	335	59
130	Electric wire and cable Electric wire and cable Telephone wire Other wire and cable	05701	338	60
	Non-metallic mineral products (10):			The second secon
131 132 133	Cement Lime Gypsum products Wallboard, lath, sheeting Gypsum plaster Gypsum blocks	05801 05901 06001	341 343 345	61 62 63
134	Bricks and blocks Brick-clay Gravel, cinder and other aggregates Bricks and blocks	06101	347,348,351 351 347-348	64
135	Concrete pipe, tile, flue lining Concrete pipe Other concrete products Tile Concrete pipe Sewer pipe	06103	347-348 351	
136 137 138 139 140	Concrete ready mix Fire clay and other refractory products Stone products Mineral wool products Asbestos products	06104 06105 06201 06301 06401	347-348 351 353 354 355	65 66 67
	Petroleum and chemical products (9):		260	
141 142	Gasoline Fuel oils Aviation fuel Fuel oils	06501 06502	365	. 68
143	Asphalt, liquid, gases, etc. Naphtha specialties Asphalt Liquid gases and other products	06503		
144 145 146	Mixed fertilizer Paints and varnishes Oxygen, acetylene and other gases Acetylene CO2 Hydrogen, nitrogen, neon gas, etc.	06601 06701 06801	372 375 376-378-379 378	69 70 71
147	Oxygen Cleaning and wahings compounds	06807	376-379	
148	Washing compounds Sulphuric acid	06804	378	

LIST 1. Classification of 180 Commodities and 97 Industries used to Compile the Original Atlantic Provinces Input-output Tables, 1960 — Concluded

	Commodities	Input-output commodity number	S.I.C. number of principal producer	Input-output industry number
149	Petroleum and chemical products (9) — Concluded: Coal tar products Pitch Creosote Tar Coal tar oil Coke, pitch Miscellaneous products Contract work	06802	376-379	71
1	Miscellaneous textile and leather specialties			
,	Miscellaneous manufactures (6):	0.0004	204	70
150 151	Venetian blinds Fabricated plastic products Polyethylene Other plastic fabricated products Signs and displays	06901 07001	384 385-397	72 73
152 153	Brooms and brushes Artificial ice	07101 07109	383 399	74 75
154	Miscellaneous personal custom-made articles Ophthalmic and dental work Custom work in dental labs	07102	153-381-374	75
	Chewing tobacco Patent medicines Wooden toys Stamps and stencils		153 374 393,399 399	
155	Scrap iron	07201	_	76
1.5.0	Service (25):	58001	5.50	
156	Electricity Wholesale trade	57201 60010	572 602-631	77 78 79
158 159	Retail trade Construction – Non-residential	60011 40010	404,406 409,421	81,82
160 161	Construction — Residential Transportation and storage Air and rail Water Bus and taxi Trucking Moving and storage	40011 50010	501-527	80 83 84 85 86 87
162 163 164 165 166	Radio and television services Telephone and telegraph Water and gas distribution Motor vehicle maintenance and operation Travel and entertainment	54310 54311 57410 70010 71010	543 544,545 574,576	88 89 90 91 92
167 168 169 170	Financial charges (short-term) Gross land and building rent (commercial) Property insurance Equipment rental	73010 73011 73012 73013	702-737	93
171 172 173	Gross dwelling rents Hotel, restaurant and catering services Cleaning and laundry services	74010 75010 76014	875,876 874,897	94 95 96
174 175	Domestic services Amusement and personal services	76013 76011	873 851,853,859, 871,872,877, 878,879,893, 899	
176	Medical services	76012	823,825,827	
177	Donations and charity services	76010	828,831	
178	Legal, audit, architectural and other professional services	77012	861,864,866, 869,894,896,	97
179 180		75010 75010	899 862 010	1

LIST 2. Classification of 71 Industries of the Completed (Confidential) 1960 Tables

Input-output industry number	Input-output industries	S.I.C. number
1	Agriculture	010
2	Forestry	031
3	Fishing (shellfish)	041
4	Fishing (all other)	041
5	Metal mining and contract drilling	053,056,058
		096,098,099
6	Coal mining	061
7	Non-metallic mineral mining	071,073,077,079
8	Quarries and sandpits	083,087
9	Meat products	101
10	Poultry processors	103
11	Dairy products	105
12	Shellfish products	111
13	Other fish products	111
14	Fruits and vegetables	112,147
15	Feed manufacturers	123
16	Biscuits and bakeries	128,129
17	Confectionery manufacturers	131
18	Sugar refineries	133
19	Miscellaneous foods	139
20	Soft drink manufacturers	141
21	Distilleries	143
22	Breweries	145
23	Shoe factories	174
24	Miscellaneous leather products	175,179
25	Cotton yarn and cloth mills	183
26	Wool yarn mills and cloth mills	193,197
27	Cordage and canvas products	213,214,221, 223,229
28	Hosiery, knitting and clothing mills	231,239,243,244,
29	Sawmills and other wood products	246.247 251,252,254, 256,258
30	Miscellaneous wood industries	259
31	Furniture industries	261,266,268
32	Pulp and paper mills	271
33	Paper converters	272,273,274
34	Printing and publishing	286,287,288,289
35	Iron and steel mills	291

LIST 2. Classification of 71 Industries of the Completed (Confidential) 1960 Tables — Concluded

	(Confidential) 1960 Tables — Collettuded				
Input-output industry number	Input-output industries	S.I.C. number			
36	Iron foundries	294,298			
37	Fabricated structural metal	301,302			
38	Miscellaneous metal fabricating	303,304,309			
39	Wire and wire products	305,306			
40	Machinery and equipment	307,308,315,316			
41	Aircraft parts	321			
42	Truck bodies and trailers	324,325,329			
43	Railway rolling stock	326			
44	Shipbuilding and boat building	327,328			
45	Major appliance manufacturers	332			
46	Communications equipment	335			
47	Electric wire and cable	337,338			
48	Cement manufacturing	341			
49	Clay and concrete manufacturers	347,348,351			
50	Non-metallic mineral products	343,345,353,354,355			
51	Petroleum refineries	365			
62	Mixed fertilizers	372			
53	Paints and varnishes	375			
54	Industrial and miscellaneous chemicals	379			
55	Miscellaneous manufacturing	153,374,381,383,			
5.0	Committee in the control of the cont	384,385,397,399			
56	Scrap iron	enus			
57	Construction - Residential	404-421			
58	Construction – Non-residential	404-421			
59	Transportation	501-527			
60	Radio, telephone, telegraph	543,544,545			
61	Electric power	572			
62	Water and gas	574,576			
63	Wholesale trade	602-629			
64	Retail trade	631-699			
65	Auto operation	- Name			
66	Travel and entertainment	_			
67	Finance, insurance and real estate	702-737			
68	Dwelling services				
69	Hotels and restaurants	875-876			
70	Personal services				
71	Business services	823-859, 871-874			
		861-869, 894-898			

LIST 3. Classification of Industries Non-confidential (Large) 1960 Newfoundland, 47 Industries

Input-output industry	Input-output industries	S.I.C. number
1	Agriculture	010
2	Forestry	031
3	Primary fishing -Shellfish	041
4	Primary fishing—All other fish	041
5	Metal mining and contract drilling	053,056,058,098,099
6	Non-metal mining	079
7	Quarries and sandpits	083,087
8	Meat and poultry products	101,103
9	Dairy products and feeds, mix-foods	105,112,139
10	Shellfish products	111
11	Other fish products	111
12	Fruits and vegetables	112
13	Biscuits, bakeries, confectionery	105,129,131,
14	Soft drink manufacturing	141
15	Breweries	145
16	Shoes and leather products	174,179
17	Cordage and canvas products	213,221
18	Knitting mills and clothing	239,243,246
19	Sawmills, sash and door	251,252,254,256,258
20	Miscellaneous wood industries	259
21	Furniture industries	261,266
22	Pulp and paper mills	271
23	Printing and publishing	286,288,289
24	Iron foundries	294
25	Metal fabricating	304,305,309
26	Machinery and equipment	308,315
27	Transportation equipment	326,329,337
28	Shipbuilding and repair	327
29	Cement manufacturing	341
30	Concrete and clay products	347,348,351
31	Gyspsum and stone products	345,353
32	Chemical products and miscellaneous manufacturing	374,375,378,381 383,384,397
33	Scrap iron	
34	Residential construction	404-421
35	Non-residential construction	404-421
36	Transportation	501-527
37	Radio, telephone, telegraph	543,544,545
38	Electric paver	572
39	Water and gas	576
40	Distribution	602-629, 631-699
41	Automobile operation	
42	Travel and entertainment	-
43	Finance, insurance, real estate and equipment rental	702-737
44	Dwelling services	-
45	Hotels and restaurants	875,876
46	Personal services	823-859, 871-874
47	Business services	861-869, 894-899

LIST 3. Classification of Industries, Non-confidential (Large) 1960 - Continued Prince Edward Island, 41 Industries

Input-output industry number	Input-output industries	S.I.C. number
		010
1	Agriculture	031
2	Forestry	041
3	Primary fishing – Shellfish	041
4	Primary fishing – All other fish	083,087
5	Quarries and sandpits	063,067
6	Meat and poultry products	101,103
7	Dairy products	105
8	Shellfish products	111
9	Other fish products	111
10	Fruits and vegetables	112
11	Feed manufacturers	123
12	Bakeries	129
13	Soft drinks	141
14	Leather products	179
15	Wool yarn mills	193
16	Cotton and jute bags	223
17	Sawmills, sash and door	251,254,256,258,259
18	Furniture industries	261,266
19	Miscellaneous paper converters	274
20	Printing and publishing	286,288,289
21	Iron foundries	294
22	Metal stamping and machine shops	304,308
23	Shipbuilding, and boat building	327,328
24	Concrete products manufacturing	347
25	Stone	353
		303
26	Fertilizers	372
27	Miscellaneous manufacturing	381,399
28	Residential construction	404-421
29	Non-residential construction	404-421
30	Transportation	501-527
31	Radio, telephone, telegraph	543,544,545
32	Electric power	572
33	Water	576
34	Distribution	602-629; 631-699
35	Automobile operation	_
36	Travel and entertainment	
37	Finance, insurance, real estate and equipment rental	702 727
38	Dwelling services	702-737
39	Hotels, restaurants	-
40		875,876
41		823-859, 871-874
	Business services	861-869, 894-899

LIST 3. Classification of Industries, Non-confidential (Large) 1960 — Continued Nova Scotia, 58 Industries

Input-output industry number	Input-output industries	S.I.C. number
4		
1	Agriculture	010
2	Forestry	030
3	Primary fishing – Shellfish	041
4	Primary fishing – All other fish	041
5	Coal mining	061
6	Non-metallic mineral mining	073,077,079
7	Quarries and sandpits	083,087
8	Meat products	101
9	Poultry processors	103
10	Dairy products	105
11	Shellfish products	111
12	Other fish products	111
13	Fruits and vegetables	083,147
14	Feed manufacturers	123
15	Buiscuits, bakeries confectionery	128,129,131
16	Miscellaneous foods	139
17	Soft drinks	141
18	Distilleries	143
19	Breweries	145
20	Shoes and leather products	174,179
21	Cotton and wool yarn and cloth mills	183,193
22	Canvas and miscellaneous textiles	214,221,229
23	Clothing industries	231,239,243,244,247
24	Sawmills, sash and door	251,254,256,258
25	Miscellaneous wood industries	251,254,256,256
26	Furniture industries	261,264,266
27		201,204,200
28	Pulp and paper mills	273,274
29	Printing and publishing	286,287,288,289
30		291
31	Iron and steel mills	294
	Iron foundries	301,302
32	Boiler and plate works	303,304,305,306,309
33	Miscellaneous metal fabricated	307,308,315
34	Machinery and equipment	321,324,326
35	Transportation equipment	327,328
36	Shipbuilding and boat building	335
37	Communication equipment	338
38	Electric wire and cable	347,348,351
39	Concrete and clay products	345,353,354,355
40	Gypsum and stone products	365
41	Petroleum refineries	372-374,375,376,378,379
42	Fertilizers and chemicals	381,385,393,397,379,
43	Miscellaneous manufacturing	361,363,373,371,377,
44	Scrap iron	404-421
45	Residential construction	404-421
46	Non-residential construction	501-527
47	Transportation	
48	Radio, telephone, telegraph	543,544,545
49	Electric, power	572
50	Water and gas	574,576
51	Distribution	502-629, 631-699
52	Automobile operation	_
53	Travel and entertainments	702 727
54	Finance, insurance and real estate and equipment rental	702-737
55	Dwelling services	000.000
56	Hotels and restaurants	875,876
57	Personal services	823-859, 871-874 861-869, 894-898
58	Business services	001-004.094-090

LIST 3. Classification of Industries, Non-confidential (Large) 1960 — Concluded New Brunswick, 56 Industries

nput-output industry number	Input-output industries	S.I.C. number
1	Agriculture	010
2	Forestry	031
3	Primary fishing—Shellfish	041
4	Primary fishing – All other fish	041
5		051,053,056
		061
6	Coal mining	079
7	Non-metallic mineral mining	083,087
8	Quarries and sandpits	101
9	Meat products	103
10	Poultry processors	105
11	Dairy products	111
12	Shellfish products	
13	Other fish products	111
14	Fruits and vegetables, wineries	112,147
15	Feed manufacturers	123
16	Biscuits, bakeries, confectionery	128,129,131
17	Sugar refineries	133
18	Miscellaneous foods	139
19	Soft drinks, breweries	141,145
20	Shoes, leather products	174,175,179
21	Cotton, wool yarn and cloth mills	183,193,197
22	Canvas products	221
23	Clothing industries	231,239,243,244, 246,247
24	Sawmills, sash and door	251,252,254,256,25
25	Miscellaneous wood industries	261,266,268
27	Pulp and paper mills	271
28	Asphalt and paper box manufacturing	272,273
29	Printing and publishing	286,287,288,289
30	Iron foundries	294,298
31	Fabricated structural metal	302
32	Miscellaneous metal fabricating	303,304,305,309
33	Machinery and equipment	308,315,316
34	Railway rolling stock	325,326
35	Shipbuilding and boat building	327,328
36	Appliance and electric wire	332,338
37	Cement and concrete manufacturers	341,347,348,351
38		
39	Lime, gypsum stone products Petroleum refineries	343,345,353
40		365
41	Fertilizers and chemicals Miscellaneous	372,374,375,378,379
		381,383,384,385, 397,399
42	Scrap iron	-
43	Residental construction	404-421
44	Non-residential construction	404-421
45	Transportation	501-527
46	Radio, telephone, telegraph	543,544,545
47	Electric power	572
48	Water and gas	574,576
49	Distribution	602-629, 631-699
50	Aŭtomobile operation	-
51	Finance, insurance, real estate and equipment rental	702-737
52	Travel and entertainment	102-131
53	Dwelling services	_
54	Hotels and restaurants	975 976
55	Personal services	875,876
56	Business services	823-859, 871-874

LIST 4. Classification of Industries, Non-confidential (Small), 1960 Newfoundland, 31 Industries

	The wroantaland, 31 Industries	
Input-output industries number	Input-output industries	S.I.C. number
1	Agriculture	010
2	Forestry	031
3	Primary fishing	041
4	Metal mining	051,054,058
5	Non-metals, quarries	079,083,087
6	Meat, poultry, dairy, fruit	101,103,105,112
7	Secondary fishing	110,111
		110,111
8	Feeds, biscuits bakeries, miscellaneous	123,128,129,131,139
9	Soft drinks, breweries	141,145
10	Textile and clothing	174,179,213,221, 243,246
11	Sawmills and wood products	251,252,254,256, 258,259,261,266
12	Pulp and paper mills	271
13	Printing and publishing	286,288,289
14	Metal fabrication and scrap	294,304,305,309
15	Machinery and equipment	308,315
16	Transportation equipment	326,327,329
17	Battery manufacturing	337
18	Cement and non-metallic mineral products	341,345,347,348, 351,353
19	Chemicals and paints	374,375,378,
20	Miscellaneous manufacturing	381,383,384,394
21	Construction	404-421
22	Transportation, travel and entertainment	501-527
23	Radio, telephone, telegraph	543,544,545
24	Electric power, water	572,576
25	Distribution	602-629, 631-699
26	Automobile operation	gam.
27	Finance, insurance, real estate and equipment rental	702-737
28	Dwelling services	-
29	Hotels and restaurants	875, 876
30	Personal services	823-859, 871-874
31	Business services	861-869, 894-899

LIST 4. Classification of Industries, Non-confidential (Small), 1960 — Continued Prince Edward Island, 29 Industries

Input-output industries		Frince Edward Island, 27 Industries	
2 Forestry 031 3 Primary fishing 041 4 Quarries and sandpits 083,087 5 Meat, poultry, dairy, fruit 101,103,105,112 6 Secondary fishing 110,111 7 Feed manufacturers and bakeries 123,129 8 Soft drinks 141 9 Textiles 179,193,223 10 Sawmills, wood products 251,234,256,258, 259,261,266 11 Miscellaneous paper converters 274 12 Printing and publishing 286,288,289 13 Iron foundries and metal stamping 294,304 14 Machine shops 308 15 Shipbuilding and boatbuilding 327,328 16 Concrete and stone products 347,353 17 Fertilizers 372 18 Scientific and professional equipment 381 19 Construction 404,421 20 Transportation, travel and entertainment 501-527 21 Radio, telephone, telegraph<	industry	Input-output industries	S.I.C. number
2 Forestry 031 3 Primary fishing 041 4 Quarries and sandpits 083,087 5 Meat, poultry, dairy, fruit 101,103,105,112 6 Secondary fishing 110,111 7 Feed manufacturers and bakeries 123,129 8 Soft drinks 141 9 Textiles 179,193,223 10 Sawmills, wood products 251,234,256,258, 259,261,266 11 Miscellaneous paper converters 274 12 Printing and publishing 286,288,289 13 Iron foundries and metal stamping 294,304 14 Machine shops 308 15 Shipbuilding and boatbuilding 327,328 16 Concrete and stone products 347,353 17 Fertilizers 372 18 Scientific and professional equipment 381 19 Construction 404,421 20 Transportation, travel and entertainment 501-527 21 Radio, telephone, telegraph<			
3 Primary fishing 041 4 Quarries and sandpits 083,087 5 Meat, poultry, dairy, fruit 101,103,105,112 6 Secondary fishing 110,111 7 Feed manufacturers and bakeries 123,129 8 Soft drinks 141 9 Textiles 179,193,223 10 Sawmills, wood products 251,254,256,258, 259,261,266 11 Miscellaneous paper converters 274 12 Printing and publishing 286,288,289 13 Iron foundries and metal stamping 294,304 14 Machine shops 308 15 Shipbuilding and boatbuilding 327,328 16 Concrete and stone products 347,353 17 Fertilizers 372 18 Scientific and professional equipment 381 19 Construction 404-421 20 Transportation, travel and entertainment 501-527 21 Radio, telephone, telegraph 543,544,545 22	1	Agriculture	010
4 Quarries and sandpits 083,087 5 Meat, poultry, dairy, fruit 101,103,105,112 6 Secondary fishing 110,111 7 Feed manufacturers and bakeries 123,129 8 Soft drinks 141 9 Textiles 179,193,223 10 Sawmills, wood products 251,254,256,258, 259,261,266 11 Miscellaneous paper converters 274 12 Printing and publishing 286,288,289 13 Iron foundries and metal stamping 294,304 14 Machine shops 308 15 Shipbuilding and boatbuilding 327,328 16 Concrete and stone products 347,353 17 Fertilizers 372 18 Scientific and professional equipment 381 19 Construction 404-421 20 Transportation, travel and entertainment 501-527 21 Radio, telephone, telegraph 543,544,545 22 Electric power and water 572,576 23 <td>2</td> <td>Forestry</td> <td>031</td>	2	Forestry	031
5 Meat, poultry, dairy, fruit 101,103,105,112 6 Secondary fishing 110,111 7 Feed manufacturers and bakeries 123,129 8 Soft drinks 141 9 Textiles 179,193,223 10 Sawmills, wood products 251,254,256,258, 259,261,266 11 Miscellaneous paper converters 274 12 Printing and publishing 286,288,289 13 Iron foundries and metal stamping 294,304 14 Machine shops 308 15 Shipbuilding and boatbuilding 327,328 16 Concrete and stone products 347,353 17 Fertilizers 372 18 Scientific and professional equipment 381 19 Construction 404-421 20 Transportation, travel and entertainment 501-527 21 Radio, telephone, telegraph 543,544,545 22 Electric power and water 572,576 23 Distribution 602-629, 631-699 24 Automobile operation 702-737 26 <	3	Primary fishing	041
6 Secondary fishing 110,111 7 Feed manufacturers and bakeries 123,129 8 Soft drinks 141 9 Textiles 179,193,223 10 Sawmills, wood products 251,254,256,258, 259,261,266 11 Miscellaneous paper converters 274 12 Printing and publishing 286,288,289 13 Iron foundries and metal stamping 294,304 14 Machine shops 308 15 Shipbuilding and boatbuilding 327,328 16 Concrete and stone products 347,353 17 Fertilizers 372 18 Scientific and professional equipment 381 19 Construction 404-421 20 Transportation, travel and entertainment 501-527 21 Radio, telephone, telegraph 543,544,545 22 Electric power and water 572,576 23 Distribution 602-629, 631-699 24 Automobile operation - 25 Finance, insurance, real estate and equipment rental 702-737 26<	4	Quarries and sandpits	083,087
7 Feed manufacturers and bakeries 123,129 8 Soft drinks 141 9 Textiles 179,193,223 10 Sawmills, wood products 251,254,256,258, 259,261,266 11 Miscellaneous paper converters 274 12 Printing and publishing 286,288,289 13 Iron foundries and metal stamping 294,304 14 Machine shops 308 15 Shipbuilding and boatbuilding 327,328 16 Concrete and stone products 347,353 17 Fertilizers 372 18 Scientific and professional equipment 381 19 Construction 404-421 20 Transportation, travel and entertainment 501-527 21 Radio, telephone, telegraph 543,544,545 22 Electric power and water 572,576 23 Distribution 602-629,631-699 24 Automobile operation 702-737 25 Finance, insurance, real estate and equipment rental 702-737 26 Duelling services 702-737 <	5	Meat, poultry, dairy, fruit	101,103,105,112
8 Soft drinks 141 9 Textiles 179,193,223 10 Sawmills, wood products 251,254,256,258, 259,261,266 11 Miscellaneous paper converters 274 12 Printing and publishing 286,288,289 13 Iron foundries and metal stamping 294,304 14 Machine shops 308 15 Shipbuilding and boatbuilding 327,328 16 Concrete and stone products 347,353 17 Fertilizers 372 18 Scientific and professional equipment 381 19 Construction 404-421 20 Transportation, travel and entertainment 501-527 21 Radio, telephone, telegraph 543,544,545 22 Electric power and water 572,576 23 Distribution 602-629,631-699 24 Automobile operation - 25 Finance, insurance, real estate and equipment rental 702-737 26 Dwelling services - 27 Hotels and restaurants 875,876 28 <td< td=""><td>6</td><td>Secondary fishing</td><td>110,111</td></td<>	6	Secondary fishing	110,111
9 Textiles 179,193,223 10 Sawmills, wood products 251,254,256,258, 259,261,266 11 Miscellaneous paper converters 274 12 Printing and publishing 286,288,289 13 Iron foundries and metal stamping 294,304 14 Machine shops 308 15 Shipbuilding and boatbuilding 327,328 16 Concrete and stone products 347,353 17 Fertilizers 372 18 Scientific and professional equipment 381 19 Construction 404-421 20 Transportation, travel and entertainment 501-527 21 Radio, telephone, telegraph 543,544,545 22 Electric power and water 572,576 23 Distribution 602-629,631-699 24 Automobile operation — 25 Finance, insurance, real estate and equipment rental 702-737 26 Dwelling services — 27 Hotels and restaurants 875,876 28 Personal services 823-859,871-874 <td>7</td> <td>Feed manufacturers and bakeries</td> <td>123,129</td>	7	Feed manufacturers and bakeries	123,129
10 Sawmills, wood products 251,254,266,258, 259,261,266 11 Miscellaneous paper converters 274 12 Printing and publishing 286,288,289 13 Iron foundries and metal stamping 294,304 14 Machine shops 308 15 Shipbuilding and boatbuilding 327,328 16 Concrete and stone products 347,353 17 Fertilizers 372 18 Scientific and professional equipment 381 19 Construction 404-421 20 Transportation, travel and entertainment 501-527 21 Radio, telephone, telegraph 543,544,545 22 Electric power and water 572,576 23 Distribution 602-629, 631-699 24 Automobile operation — 25 Finance, insurance, real estate and equipment rental 702-737 26 Dwelling services — 27 Hotels and restaurants 875,876 28 Personal services 823-859,871-874	8	Soft drinks	141
259,261,266 11 Miscellaneous paper converters 274 12 Printing and publishing 286,288,289 13 Iron foundries and metal stamping 294,304 14 Machine shops 308 308 15 Shipbuilding and boatbuilding 327,328 16 Concrete and stone products 347,353 17 Fertilizers 372 381 19 Construction 404-421 20 Transportation, travel and entertainment 501-527 21 Radio, telephone, telegraph 543,544,545 22 Electric power and water 572,576 23 Distribution 602-629,631-699 24 Automobile operation 702-737 26 Dwelling services - 4 Hotels and restaurants 875,876 28 Personal services 823-859,871-874	9	Textiles	179,193,223
12 Printing and publishing 286,288,289 13 Iron foundries and metal stamping 294,304 14 Machine shops 308 15 Shipbuilding and boatbuilding 327,328 16 Concrete and stone products 347,353 17 Fertilizers 372 18 Scientific and professional equipment 381 19 Construction 404-421 20 Transportation, travel and entertainment 501-527 21 Radio, telephone, telegraph 543,544,545 22 Electric power and water 572,576 23 Distribution 602-629, 631-699 24 Automobile operation - 25 Finance, insurance, real estate and equipment rental 702-737 26 Dwelling services - 27 Hotels and restaurants 875,876 28 Personal services 823-859, 871-874	10	Sawmills, wood products	
13 Iron foundries and metal stamping 294,304 14 Machine shops 308 15 Shipbuilding and boatbuilding 327,328 16 Concrete and stone products 347,353 17 Fertilizers 372 18 Scientific and professional equipment 381 19 Construction 404-421 20 Transportation, travel and entertainment 501-527 21 Radio, telephone, telegraph 543,544,545 22 Electric power and water 572,576 23 Distribution 602-629, 631-699 24 Automobile operation - 25 Finance, insurance, real estate and equipment rental 702-737 26 Dwelling services - 27 Hotels and restaurants 875,876 28 Personal services 823-859,871-874	11	Miscellaneous paper converters	274
14 Machine shops 308 15 Shipbuilding and boatbuilding 327,328 16 Concrete and stone products 347,353 17 Fertilizers 372 18 Scientific and professional equipment 381 19 Construction 404-421 20 Transportation, travel and entertainment 501-527 21 Radio, telephone, telegraph 543,544,545 22 Electric power and water 572,576 23 Distribution 602-629, 631-699 24 Automobile operation — 25 Finance, insurance, real estate and equipment rental 702-737 26 Dwelling services — 27 Hotels and restaurants 875,876 28 Personal services 823-859,871-874	12	Printing and publishing	286,288,289
15 Shipbuilding and boatbuilding 327,328 16 Concrete and stone products 347,353 17 Fertilizers 372 18 Scientific and professional equipment 381 19 Construction 404-421 20 Transportation, travel and entertainment 501-527 21 Radio, telephone, telegraph 543,544,545 22 Electric power and water 572,576 23 Distribution 602-629, 631-699 24 Automobile operation — 25 Finance, insurance, real estate and equipment rental 702-737 26 Dwelling services — 27 Hotels and restaurants 875,876 28 Personal services 823-859, 871-874	13	Iron foundries and metal stamping	294,304
16 Concrete and stone products 347,353 17 Fertilizers 372 18 Scientific and professional equipment 381 19 Construction 404-421 20 Transportation, travel and entertainment 501-527 21 Radio, telephone, telegraph 543,544,545 22 Electric power and water 572,576 23 Distribution 602-629, 631-699 24 Automobile operation - 25 Finance, insurance, real estate and equipment rental 702-737 26 Dwelling services - 27 Hotels and restaurants 875,876 28 Personal services 823-859, 871-874	14	Machine shops	308
17 Fertilizers 372 18 Scientific and professional equipment 381 19 Construction 404-421 20 Transportation, travel and entertainment 501-527 21 Radio, telephone, telegraph 543,544,545 22 Electric power and water 572,576 23 Distribution 602-629, 631-699 24 Automobile operation – 25 Finance, insurance, real estate and equipment rental 702-737 26 Dwelling services – 27 Hotels and restaurants 875,876 28 Personal services 823-859, 871-874	15	Shipbuilding and boatbuilding	327,328
18 Scientific and professional equipment 381 19 Construction 404-421 20 Transportation, travel and entertainment 501-527 21 Radio, telephone, telegraph 543,544,545 22 Electric power and water 572,576 23 Distribution 602-629, 631-699 24 Automobile operation - 25 Finance, insurance, real estate and equipment rental 702-737 26 Dwelling services - 27 Hotels and restaurants 875,876 28 Personal services 823-859, 871-874	16	Concrete and stone products	347,353
19 Construction 404-421 20 Transportation, travel and entertainment 501-527 21 Radio, telephone, telegraph 543,544,545 22 Electric power and water 572,576 23 Distribution 602-629, 631-699 24 Automobile operation – 25 Finance, insurance, real estate and equipment rental 702-737 26 Dwelling services – 27 Hotels and restaurants 875,876 28 Personal services 823-859, 871-874	17	Fertilizers	372
20 Transportation, travel and entertainment 501-527 21 Radio, telephone, telegraph 543,544,545 22 Electric power and water 572,576 23 Distribution 602-629, 631-699 24 Automobile operation – 25 Finance, insurance, real estate and equipment rental 702-737 26 Dwelling services – 27 Hotels and restaurants 875,876 28 Personal services 823-859, 871-874	18	Scientific and professional equipment	381
21 Radio, telephone, telegraph 543,544,545 22 Electric power and water 572,576 23 Distribution 602-629, 631-699 24 Automobile operation	19	Construction	404-421
22 Electric power and water 572,576 23 Distribution 602-629, 631-699 24 Automobile operation	20	Transportation, travel and entertainment	501-527
23 Distribution 602-629, 631-699 24 Automobile operation — 25 Finance, insurance, real estate and equipment rental 702-737 26 Dwelling services — 27 Hotels and restaurants 875,876 28 Personal services 823-859, 871-874	21	Radio, telephone, telegraph	543,544,545
Automobile operation	22	Electric power and water	572,576
Finance, insurance, real estate and equipment rental 702-737 Dwelling services - 875,876 Personal services 823-859, 871-874	23	Distribution	602-629, 631-699
26 Dwelling services	24	Automobile operation	_
27 Hotels and restaurants	25	Finance, insurance, real estate and equipment rental	702-737
28 Personal services	26	Dwelling services	-
023-037, 0/1-0/4	27	Hotels and restaurants	875,876
29 Business services	28	Personal services	823-859, 871-874
	29	Business services	861-869, 894-899

LIST 4. Classification of Industries, Non-confidential (Small), 1965 — Continued Nova Scotia, 33 Industries

Input-output industry number	Input-output industries	S.I.C. number
1	Agriculture	010
2	Forestry	031
3	Primary fishing	041
4	Coal mining	061
5	Non-metals, quarries	073,077,079,083,087
6	Meat, dairy and fruit	101,103,105,112,147
7	Secondary fishing	110,111
8	Miscellaneous foods, n.e.s.	123,128,129,131,139
9	Soft drinks, breweries, distilleries	141,143,145
10	Textiles, clothing	174,179,183,193, 214,221,229,231, 239,243,244,247
11	Sawmills, wood products	251,254,256,258, 259,261,264,266
12	Pulp and paper products	271,273
13	Printing and publishing	286,287,288,289
14	Iron and steel mills	291
15	Metal fabrication and scrap	294,301,302,303, 304,305,306,309
16	Machinery and equipment	307,308,315
17	Transportation equipment	321,324,326,327,328
18	Electric equipment	335,338
19	Non-metallic mineral products	345,347,348,351, 353,354,355
20	Petroleum refineries	365
21	Fertilizer, chemicals, paint and soap	372 , 374, 375, 376, 378, 379
22	Miscellaneous manufacturing	381, 385, 393, 397, 399
23	Construction	404-421
24	Transportation, travel and entertainment	501-527
25	Radio, telephone, telegraph	543,544,545
26	Electric power, water and gas	572,574,576
27	Distribution	602-629, 631-699
28	Automobile operation	-
29	Finance, insurance, real estate, equipment rentals	702-737
30	Dwelling services	-
31	Hotels and restaurants	875,876
32	Personal services	823-859, 871-874
33	Business services	861-869, 894-898

LIST 4. Classification of Industries, Non-confidential (Small), 1960 — Concluded

New Brunswick, 33 Industries

	New Brunswick, 33 Industries		
Input-output industry number	Input-output industries	S.I.C. number	
1	Agriculture	010	
2	Forestry	031	
3	Primary fishing	041	
4	Metal mining	051,053,054,056	
5	Coal mining	061	
6	Non-metals, quarries	079,083,087	
7	Meat, dairy, fruit	101,103,105,112,147	
8	Secondary fishing	110,111	
9	Miscellaneous	123,128,129,131, 133,139	
10	Soft drinks, breweries	141,145	
11	Textiles, clothing	174,175,179,183,193, 197,221,231,239, 243,244,246,247	
12	Sawmills, wood products	251,252,254,256,258, 259,261,266,268	
13	Pulp and paper products	271,272,273	
14	Printing and publishing	286,287,288,289	
15	Metal fabricating and scrap	294,298,302,303, 304,305,309	
16	Machinery and equipment	308,315,316	
17	Transportation equipment	325,326,327,328	
18	Appliances and electric wire	332,338	
19	Cement and non-metallic mineral products	341,343,345,347, 348,351,353	
20	Petroleum refineries	365	
21	Fertilizers and chemicals	372,374,375,378,379	
22	Miscellaneous manufacturing	381,383,384,385, 397,399	
23	Construction	404-421	
24	Transportation, travel and entertainment	501-527	
25	Radio, telephone, telegraph	543,544,545	
26	Electric power water and gas	572,574,576	
27	Distribution	602-629, 631-699	
28	Automobile operation	_	
29	Finance, insurance, real estate and equipment rental	702-737	
30	Dwelling services	-	
31	Hotels and restaurants	875, 876	
32	Personal services	823-859, 871-874	
33	Business services	861-869, 894-898	

LIST 5. Classification of 169 Commodities used to Compile the (Confidential) 1965 Tables

No.	Commodities	Input-output commodity number
		A FOR STOCKHOOL SHOTSON S
1	Livestock	10001
2	Poultry	10002
3	Dairy	10003
4	Eggs	10004
5	Potatoes	10005
6	Vegetables	10006
7	Atlantic fruit	10007
8	Feed and seed crops	10008
	Wool, maple, syrup, honey, tobacco and miscellaneous agricultural products	10009-10011
	House rent (imputed)	10012
	Pelts	10013
	Logs and bolts	10101
	Pulpwood	10102
	Other forest products	10103
	Custom work Shellfish	10104
		10201
		10301
	Non-ferrous metals, iron ore and pellets	10401,10402
	Consum colt most most and other nor metallic minutel	10403
0	Gypsum, salt, peat moss and other non-metallic minerals	10404-10408
	Sand, gravel and stone Meat, fresh, frozen, cured, canned, processed	10410 00101,00102
	Lard	00101,00102
	Hides, meat by-products	00103
	Work done	00104
	Poultry	00201
	Work done	00202
	Milk, fluid, powered, canned, cream	00301,00305
9	Butter and cheese	00303
0	Work done	00307
	Ice cream and other products	00306
2	Shellfish, in shell, shucked, canned and by-products	00401-00403
3	Groundfish, fresh, frozen, salted, canned and by-products	00501-00503
	Work done	00504
5	Fruit and vegetable products, including jams, juices, vinegar	00601-00606
6	Animal feeds	00701
7	Work done	00702
8	Bread and other bakery products	00801,00802
9	Confectionery	00901
0	Sugar	01001
l	Tea, coffee	01101
2	Potato products, including starch, spices and miscellaneous food products	01103
3	Margarine	01108 01201
4	Soft drinks, syrups	01201
5	Work done	01301
5	Alcoholic beverages	01301
	Work done	01401
8		01701
9	Footwear Luggage, gloves and leather products	01801
0	Luggage, gloves and leather products Cotton yarn and cloth, cotton waste	01901-01906
1	Synthetic fabrics	01907
2	Woollen yarn and cloth	02001-02101
3	Work done	02102
4	Work done Cordage and twine, narrow fabrics, jute bags, canvas products and miscellaneous textiles	02001-02101
	Work done	02502
6	Clothing including hosiery and furs	02701

LIST 5. Classification of 169 Commodities used to Compile the (Confidential) 1965 Tables — Continued

No .	Commodities	Input-output commodity number
	Lumber and ties Laths, shingles, wood-waste and other sawmill products	02801 02805,03806
59 60	Work done	02807
61	Pulp chips and other by-products	02808
62	Veneer and plywood	02901
63	Sash and door	03001
64	Hardwood flooring and miscellaneous millwork	03002,03007
65 -	Work done	03008
66	Wooden boxes	03101
67	Coffins and caskets	03201 03202
68 69	Repairs	03301-03304
70	Work done	03305
71	Furniture	03401
72	Custom work	03402
73	Newsprint and waste paper	03501
74	Woodpulp	03502
	Paper board and building paper	03503
76	Tissue paper, sanitary paper By-products including steam	03505 03506
	By-products including steam Work done	03507
79	Shingles, asphalt cement, roof coatings	03601
	Folding boxes, paper bags, plastic bags, paper containers	03701-03801
81	Newspapers, magazines and printed matter	03901
	Work done	03902
	Coke, gas	04001
	Tar	04004
	Semi-finished steel including structural shapes Sulphuric acid	04008 04009
	Rails and tie plates	04011
88	Wire rods	04012
89	Concrete reinforcing and other steel bars	04013
90	Iron foundry products including mining machinery	04101
91	Work done	04102
92	Boilers, tanks, miscellaneous plate work and repairs	04201,04208
	Oil burners Fabricated structural steel and products	04205 04207
	Work done	04207
96	Ornamental and architectural iron	04301
97	Metal container	04401
98	Sheet metal culvert	04402
99	Other metal stamping	04403
100	Work done	04404
102	Wire and fencing Nails, bolts, tools, cutlery, hardware	04501
103	Work done	04502 04503
104	Furnaces and ducts	04503
105	Steel forgings, other fabricated and structural products	04802-04807
106	Machinery parts	04901
107	Repair work	04902
108	Commercial refrigerators	05001
1109	Aircraft parts and repairs	05101
111	Passenger cars Trailers, truck bodies and repairs	05102
112	Repairs	05201 05202
113	Rolling stock parts	05301
114	Repair work	05302

LIST 5. Classification of 169 Commodities used to Compile the (Confidential) 1965 Tables — Concluded

No.	Commodities	Input-output commodity number
115	Boats, ships and vessels	05401,05403
116	Ships machinery and repairs	05409
117	Stoves, heaters and home appliances	05501
18	Communications equipment	05601
	Record players	05602
20	Stereo chassis	05603
-	Work done	05604
	Electric wire and cable	05701
23	Cement	05801
	Lime	05901
25	Gypsum products	06001
26	Bricks, tiles, precast products	06101,06103
27	Ready-mix concrete	06104
28	Clay and other refractory products	06105
!	Work done	06106
	Stone products	06201
31 32	Work done	06202
	Mirrors, glass products	06301 06302
34	Dry cement mix	06401
35	Gasoline	06501
36	Fuel oils	06502
37	Asphalt, liquid gases	06503
38	Petrochemical feed stocks	06504
39	Sulphur and all other products	06506
40	Mixed fertilizer	06601
41	Paints and varnishes	06701
42	Patent medicines, industrial chemicals, soaps and cleaning compounds, other chemicals	06801-06807
43	Plastic products, venetian blinds	06901-07001
44	Brooms and brushes	07101
45	Jewellery and miscellaneous custom-made items	07102-07109
46	Work done and repair	07105
47	Scrap iron	07201
48	Construction repair	40010
49	Residential construction repair	40011
50	Transportation and storage	50010
51	Telephone, telegraph and radio	54310
52	Electricity	57201
53	Water and gas	57410
54	Distribution	60010 70010
55	Motor vehicle maintenance and operation	71010
56	Travel and entertainment	73010
57	Financial charges	73010
58	Gross land and building rent Property indurance	73012
59		73013
60		74010
61	Gross dwelling rents Hotel, restaurant and catering services	75010
	Donations and charity services	76010
63	Amusement and nersonal services	76011
65	Medical services	76012
66	Domestic corriers	76013
67	Advantising cognices	77010
168	Legal audit architectural and other professional services	77012
00	Services to primary industries	77020

LIST 6. Classification of Industries, Confidential (Large), 1965 Atlantic Region, 71 Industries

Atlantic Region, 71 Industries		
Input-output industry number	Input-output industries	S.I.C. number
		010
1	Agriculture	010 031
1 2 3	Primary fishing – Shellfish	031
4	Primary fishing – All other	041
5	Metal mining	053,056,058
6 7	Coal mining	061 071,073,077,079
8	Quarries and sandpits	083,087
9	Meat products	101
10	Poultry processors	103 105
11 12	Dairy products	111
13	Other fish products	111
14	Fruit and vegetables	112,147
15 16	Feed manufacturers Biscuits and bakeries Biscuit	123 128,129
17	Confectionery manufacturers	131
18	Sugar refineries	133
19 20	Miscellaneous Foods	139 141
21	Soft drink manufacturers Distilleries Distill	143
22	Breweries	145
23	Shoe factories	174
24 25	Miscellaneous leather products	175,179 183,201,211
26	Wool yarn and cloth mills	193,197
27	Cordage and canvas products	213,214,216,221,
28	Hosiery, knitting mills and clothing mills	223,229 231,239,243,244,
		246, 247, 249
29 30	Sawmills and other wood products Miscellaneous wood industries	251,252,254,256,258 259
31	Furniture industries	261,266
32	Pulp and paper mills	271
33 34	Printing and publishing	272,273,274 286,287,288,289
35	Iron and steel mills	291
36	Iron foundries	294,298
37 38	Fabricated structural steel Miscellaneous metal fabricating	301,302 303,304,309
39	Wire and wire products	305,304,309
40	Machinery and equipment	307, 308, 315, 316
41 42	Autos and truck hodies	321
43	Autos and truck bodies Railway rolling stock	323,324 326
44	Shipbuilding and boat building	327,328
45 46	Appliance manufacturers	332
47	Communications equipment Electric wire and cable	334,335 337,338
48	Cement manufacturing	341
49	Clay and concrete products manufacturing	347,348,351
50 51	Non-metallic mineral products Petroleum refineries	345,353,356,359 365
52	Mixed fertilizers	372
53	Paints and varnishes	375
54 55	Industrial and miscellaneous chemicals Miscellaneous manufacturers	374,378,379
		381,384,385,393, 397,399
56 57	Scrap iron	
58	Construction – Residential Construction – Non-residential	404-421 404-421
59	Transportation	501-527
60 61	Radio, telephone, telegraph, post office	543,544,545
62	Electric power	572 574,576
63	Distribution	602-629, 631-699
64 65	Auto operation	-
66	Travel, entertainment Finance, insurance, real estate and equipment rental	700 727
67	Dwelling services	702-737
68 69	notels and restaurants	875,876
70	reisonal services	823-859, 871-874
71	Business services Services to primary industries	861-869, 894-898 021,039,045,096,
		021,039,043,096,

LIST 6. Classification of Industries, Confidential (Large), 1965 – Continued Newfoundland, 55 Industries

nput-output industry number	Input-output industries	S.I.C. number
1	Agriculture	010
2	Forestry	031
3	Primary fishing—Shellfish	041
4	Primary fishing – All other fish	041
5	Metal mining :	053,056,058
6 7	Non-metal mining	071,073,079
8	Quarries and sandpits	083,087
9	Meat products Dairy products	101
10	Shellfish products	103 111
11	Other fish products	111
12	Fruit and vegetables	112
13	Feed manufacturers	123
14	Biscuits and bakeries	128,129
15	Miscellaneous foods	139
16	Soft drink manufacturers	141
17	Breweries	145
18	Shoe factories	174
19 20	Miscellaneous leather products	179
21	Cordage and canvas products	221
22	Clothing industries Sawmills, sash	239,243,246 251,252,254,256, 258
23	Miscellaneous wood products	251,252,254,256, 256
24	Furniture industries	261,266
25	Pulp and paper mills	271
26	Paper products	273
27	Printing and publishing	286,288,289
28	Iron foundries	294
29	Miscellaneous metal fabricating	303,304,309
30	Wire products	305
31	Machinery and equipment	308,315
32	Shipbuilding and boat building	327,328
33	Cement manufactueres	341 347,348,351
34	Clay and concrete products	347,346,331
35 36	Non-metallic mineral products	365
37	Paint, varnish manufacturing	375
38	Soap and chemical products	378
39	Miscellaneous manufacturing	381,383,397
40	Scrap iron	
41	Construction – Residential	404-421
42	Construction - Non-residential	404-421
43	Transportation	501-527
44	Radio, telephone, telegraph, post office	543,544,545 572
45	Electric power	576
46	Water and gas	602-629, 631-699
47	Automobile operation	000 000, 001 000
48	Travel and entertainment	
49 50	Finance, insurance, real estate and equipment rental	702-737
51	Dwelling services	
52	Hotels and restaurants	875,876
53	Personal services	823-859, 871-874
54	Business services	861-869, 894-898
55	Services to primary industries	021,039,045,099

LIST 6. Classification of Industries, Confidential (Large), 1965 — Continued Prince Edward Island, 47 Industries

nput-output industry number	Input-output industries	S.I.C. number
1	Agriculture	010
2	Forestry	031
3	Primary fishing – Shellfish	041
4	Primary fishing – All other fish	041
5	Quarries and sandpits	083,087
6	Meat products	101
7	Poultry processors	103
8	Dairy products	105
9	Shellfish products	111
10	Other fish products	111
11	Fruit and vegetable	112
12	Feed manufacturers	123,124
13	Bakeries	129
14	Soft drink manufacturers	141
15	Miscellaneous leather products	179
16	Cotton mills	211
17	Woollen mills	193
18	Cordage and canvas	213,223
19	Sawmills, sash	251,254,258
20	Miscellaneous wood products	259
21	Furniture industries	261
22		274
23	Printing and publishing	286,289
24	Printing and publishing Iron foundries	294
25		304
26	Metal fabricating Machinery and equipment	308
27		
28	Shipbuilding and boat building	327,328
29	Clay and concrete products	347
30	Non-metallic mineral products	353
31	Fertilizer manufacturers	372
	Soap and chemical products	379
32 33	Miscellaneous manufacturing	381,399
34	Construction – Residential	404-421
35	Construction – Non-residential	404-421
36	Transportation	501-527
37	Post office	543,544,545
38	Electric power	572
	Water and gas	576
39	Distribution	602-629, 631-699
40	Automobile operation	-
41	Travel and entertainment	-
42	Finance, insurance, real estate and equipment rental	702-737
43	Dwelling services	-
44	Hotels and restaurants	875,876
45	Personal services	823-859, 871-874
46	Business services	861-869, 894-898
47	Services to primary industries	021,039,045,088

LIST 6. Classification of Industries, Confidential (Large), 1965 — Continued Nova Scotia, 67 Industries

nput-output industry number	Input-output	S.I.C. number
1 2 3 4 5	Agriculture Forestry Primary fishing – Shellfish Primary fishing – All other Coal mining Non-metal mining	010 034 041 041 061 073,077,079
7 8 9 10 11 12 13	Quarries and sandpits Meat products Poultry processors Dairy products Shellfish products Other fish products Fruit and vegetables Feed manufacturers	083,087 101 103 105 111 111 112,147 123
15 16 17 18 19 20 21	Biscuits and bakeries Confectionery Miscellaneous foods Soft drink manufacturers Distilleries Breweries Shoe factories Miscellaneous leather products	128,129 131 139 141 143 145 174
23 24 25 26 27 28 29	Cotton yarn and cloth mills Cordage and canvas Clothing industries Sawmills, sash Miscellaneous wood products Furniture industries Pulp and paper mills	183,201 213,216,221,229 239,243,244,247,245 251,254,256,258 258,259 261,266 271
30 31 32 33 34 35 36 37	Paper products Printing and publishing Iron and stell mills Iron foundries Fabricated structural metals Miscellaneous metal fabricating Wire products Machinery and equipment	273,274 286,287,288,289 291 294 301,302 303,304,309 305,306 307,308,315
38 39 40 41 42 43 44 45	Aircraft parts Autos and truck bodies Railway rolling stock Shipbuilding and boatbuilding Communications equipment Electric wire and cable Cement manufacturers Clay and concrete products	321 323,324 326 327,328 334,335 337,338 341 347,348,351
46 47 48 49 50 51	Non-metallic mineral products Petroleum refineries Fertilizer manufacturers Paint, varnish manufacturing Soap products and miscellaneous chemicals Miscellaneous manufacturing	345,353,356 365 372 375 374,378,379 381,384,385,393 397,399
53 54 55 56 57 58	Construction – Residential Construction – Non-residential Transportation Post office Electric power Water and gas	404-421 404-421 501-527 543,544,545 572 576 602-629,631-699
59 60 61 62 63 64	Distribution Auto operation Travel and entertainment Finance, insurance, real estate and equipment rental Dwelling services Hotels and restaurants	702,737 875,876
65 66 67	Personal services Business services Services to primary industries	823-859, 871-874 861-869, 894-898 021,039,045,096, 098,099

LIST 6. Classification of Industries, Confidential (Large), 1965 — Concluded New Brunswick, 68 Industries

industry number	Input-output industries	S.I.C. number
		010
1	Agriculture	010 031
2 3	Forestry	041
4	Primary Fishing – All other fish	041
5	Metal mining	051,053,054,056
6	Coal mining	061
7	Non-metal mining	079 083, 087
8	Quarries and sandpits	101
10	Poultry processors	103
11	Dairy products	105
1.2	Shellfish products	111
13 14	Other fish products	111 112
15	Fruit and vegetables Feed manufacturers	123
16	Biscuits and bakeries	128,129
17	Confectionery	131
18	Sugar and refineries	133
19 20	Miscellaneous foods Soft drink manufacturers	139 141
21	Distilleries	143
22	Breweries	145
23	Shoe factories	174
24	Miscellaneous leather products	179
25 26	Cotton mills	183 193,197
27	Woollen mills Cordage and canvas	214,221,229
28	Clothing industries	231,243,244,246,24
29	Sawmills, sash	251, 252, 254, 256, 25
30	Miscellaneous wood products	259
31 32	Furniture industries	261,266
33	Pulp and paper mills Paper products	271 272,273
34	Printing and publishing	286,287,288,289
35	Iron foundries	294,298
36	Fabricated structural metal	302
37 38	Miscellaneous metal fabricating	303, 304, 309
39	Wire products Machinery and equipment	305 307,308,315,316
40	Aircraft and parts manufacturing	321
41	Truck and trailer bodies	324
42	Shipbuilding and boat building	327,328
43 44	Appliances manufacturers Communications equipment	332 335
45	Electric wire manufacturers	338
46	Cement manufacturers	341
47	Clay and concrete products	347,348,351
48	Non-metallic mineral products	343,345,353,356,35
49 50	Petroleum refineries	365 372
51	Soap and chemical products	376,378,379
52	Miscellaneous manufacturing	381,382,383,385,
53		393,397,399
54	Scrap iron	404-421
55	Construction – Non-residential	404-421
56	Transportation	501,527
57	Post office	543,544,545
58 59	Electric power Water and gas	572
60	Water and gas Distribution	574,576
61	Automobile operation	602-629, 631-699
62	Travel and entertainment	
63	Finance, insurance, real estate and equipment rental	702-737
64 65	Dwelling services	000 000
66	Hotels and restaurants Personal services	875,876
67	Business services	823-859, 871-874
68	Services to primary industries	861-869, 894-898

LIST 7. Classification of Industries, Non-confidential (Small), 1965 Atlantic Region, 34 Industries

	Attainte Region, 54 industries	
Input-output industry number	Input-output industries	S.I.C. number
1	Agriculture	010
2	Forestry	031
3	Primary fishing	041
4	Metal mining	053,056,058
5	Coal mining	061
6	Non-metals, quarries	071,073,077,079, 083,087
7	Meat, dairy, fruit	101,103,105,112,147
8	Secondary fishing	111
9	Miscellaneous foods, n.e.s.	123,124,128,129,
		131,133,139
10	Soft drinks, distilleries, breweries	141,143,145
11	Textiles, clothing	174,179,183,193,197, 201,211,213,214,216, 221,223,229,231,239' 243,244,246,247,249
12	Sawmills, wood products	251, 252, 254, 256, 258, 259, 261, 266
13	Pulp and paper products	271,272,273,274
14	Printing and publishing	286, 287, 288, 289
15	Iron and steel mills	291
16	Metal fabricating	294,298,301,302,303 304,305,306,309
17	Machinery and equipment	307, 308, 315, 316
18	Transportation equipment	321,232,324,326, 327,328
19	Electrical equipment	332,334,335,337,338
20	Non-metallic mineral products	341,343,345,347,348, 351,353,356,359
21	Petroleum refineries	365
22	Fertilizer, paint, soap products	372,374,375,376, 378,379
23	Miscellaneous manufacturing	381,382,383,384,385, 393,397,399
24	Construction	404-421
25	Transportation, travel and entertainment	501-527
26	Radio, telephone, telegraph, post office	543,544,545,548
27	Electric power, water, gas	572,574,576
20	Distribution	602-629, 631 699
28	Automobile operation	and a
29	Finance, insurance, real estate, and equipment rental	702-737
30		
31	Dwelling services Hotels and restaurants	875,876
32	Personal services	823-859, 871-874
33 34	Business services and services to primary industries	861-869, 894-898,021 039,045,096,098,099
		037,043,070,070,077

LIST 7. Classification of Industries, Non-confidential (Small), 1965 – Continued Newfoundland, 31 Industries

Input-output industry number	Input-output industries	S.I.C. number
1	Agriculture	010
2	Forestry	031
3	Primary fishing	041
4	Metal mining	053,056,058
5	Non-metals, quarries	071,073,079,083,087
6	Meat, dairy, fruit	101,105,112
7	Secondary fishing	111
8	Miscellaneous foods, n.e.s.	123,128,129,139
9	Soft drinks, distilleries, breweries	141,145
10	Textiles, clothing	174,179,221,239, 243,246
11	Sawmills, wood products	251,252,254,256, 258,259,261,266
12	Pulp and paper products	271,273
13	Printing and publishing	286,288,289
14	Metal fabricating	294,303,304,305,309
15	Machinery and equipment	308,315
16	Transportation equipment	327,328
17	Non-metallic mineral products	341,345,347,348, 351,353
181	Petroleum refineries	365
191	Fertilizer, paint, soap	375,378
20	Miscellaneous manufacturing	381,383,397
21	Construction	404-421
22	Transportation, travel and entertainment	501-527
23	Radio, telephone, telegraph, post office	543,544,545,548
24	Electric power, water and gas	572,576
25	Distribution	602-629, 631-699
26	Automobile operation	_
27	Finance, insurance, real estate and equipment rental	702-737
28	Dwelling services	
29	Hotels and restaurants	875,876
30	Personal services	823-859, 871-874
31	Business services and service to primary industries	861-869,894898,098

¹ These industries cannot be shown separately. In the 1965 flow accounts in Appendix I industries 18 and 19 are aggregated.

LIST 7. Classification of Industries, Non-confidential (Small), 1965 — Continued Prince Edward Island, 29 Industries

Input-output industry number	Input-output industries	S.I.C. number
1	Agriculture	010
2	Forestry	031
3	Primary fishing	041
4	Non-metals, quarries	083,087
5	Meat, dairy, fruit	101,103,105,112
6	Secondary fishing	111
7	Miscellaneous foods, n.e.s.	123,124,129
8	Soft drinks, distilleries, breweries	141
9	Textiles, clothing	179,193,211,213,223
10	Sawmills, wood products	251, 254, 258, 259
111	Pulp and paper products	274
121	Printing and publishing	286, 289
131	Metal fabricating	294,304
141	Machinery and equipment	308
151	Transportation equipment	327,328
161	Non-metallic mineral products	347,353
17	Fertilizer manufacturers	372
181	Miscellaneous manufacturing	381,399
19	Construction	404-421
20	Transportation, travel and entertainment	501-527
21	Radio, telephone, telegraph, post office	-
22	Electric power, water and gas	572,576
23	Distribution	602-629, 631-699
24	Automobile operation	_
25	Finance, insurance, real estate and equipment rental	702-737
26	Dwelling services	
27	Hotels and restaurants :	875,876
28	Personal services	823-859, 871-874
29	Business services and services to primary industries	861-869, 894-898,098

¹ These industries cannot be shown separately. Therefore, in the transaction flow tables and the input coefficient tables the following aggregations were made:

Industries Nos. 11 and 12, 13, 14, 15, 16, and 18.

In Industry No. 10 S.I.C. 261 was omitted and in Industry No. 17 S.I.C. 379 was omitted in order to allow publication. Both S.I.C. 261 and 379 were negligible in size in 1965.

LIST 7. Classification of Industries, Non-confidential (Small), 1965 — Continued Nova Scotia, 33 Industries

Input-output industry number	Input-output industries	S.I.C. number
1	Agriculture	010
2	Forestry	031
3	Primary fishing	041
4	Coal mining	061
5	Non-metals, quarries	073,077,079,083,08
6	Meat, dairy and fruit	101,103,105,112,14
7	Secondary fishing	111
8	Miscellaneous foods, n.e.s.	123,128,129,131,1
9	Soft drinks, distilleries, breweries	141,143,145
10	Textiles, clothing	174,179,183,201,2 216,221,229,239,24 244,247,249
11	Sawmills, wood products	251,254,256,258,2 261,266
12	Pulp and paper products	271,273,274
13	Printing and publishing	286, 287, 288, 289
14	Iron and steel mills	291
15	Metal fabrication	294,301,302,303,3 305,306,309
16	Machinery and equipment	307, 308, 315
17	Transportation equipment	321,323,324,326 327,328
18	Electrical equipment	334,335,337,338
19	Non-metallic mineral products	341,347,345,348, 3 353,356
20	Petroleum refineries	· 365
21	Fertilizer, paint, soap	372,374,374,378,3
22	Miscellaneous manufacturing	381,384,385,393 397,399
23	Construction	404-421
24	Transportation, travel and entertainment	501-527
25	Radio, telephone, telegraph, post office	543,544,545,548
26	Electric power, water and gas	572,576
27	Distribution	603 - 629, 631 - 6
28	Automobile operation	-
29	Finance, insurance, real estate and equipment rental	702-737
30	Dwelling services	_
31	Hotels and restaurants	875,876
32	Personal services	823-859, 871-874
33	Business services and services to primary industries	861-869, 894-898 096,098

LIST 7. Classification of Industries, Non-confidential (Small), 1965 – Concluded New Brunswick, 33 Industries

Input-output industry number	Input-output industries	S.I.C. number
1	Agriculture	010
2	Forestry	010 031
3	Primary fishing	041
4	Metal mining	053.056
5	Coal mining	061
6	Non-metals, quarries	079,083,087
7	Meat, dairy and fruit	101,103,105,112
8	Secondary fishing	111
9	Miscellaneous foods, n.e.s.	123,128,129,131, 133,139
10	Soft drinks, distilleries, breweries	141,143,145
11	Textiles, clothing	174,179;183,193,197 214,221,229,231,243 244,246,247
12	Sawmills, wood products	251, 252, 254, 256, 258 259, 261, 266
13	Pulp and paper products	271,272,273
14	Printing and publishing	286, 287, 288, 289
15	Metal fabricating	294,298,302,303,304 305,309
16	Machinery and equipment	307,308,315,316
17	Transportation equipment	321,324,327.328
18	Electrical equipment	332,335,338
19	Non-metallic mineral products	341,343,345,347,348
20	Petroleum refineries	351,353,356,359 365
21	Fertilizer, paint, soap	372, 376, 378, 379
22	Miscellaneous manufacturing	381,382,383,385,393 397,399
23	Construction	404-421
24	Transportation, travel and entertainment	501-527
25	Radio, telephone, telegraph, post office	543,544,545,548
26	Electric power, water and gas	572,574,576
27	Distribution	602-629, 631-699
28	Automobile operation	_
29	Finance, insurance, real estate and equipment rental	702-737
30	Dwelling service	-
31	Hotels and restaurants	875,876
32	Personal services	823-859, 871-874
33	Business services and services to primary industries	861-869, 894-898, 096,089

¹ Data cannot be published for Industry No. 20 (Petroleum refineries). It is aggregated with Industry No. 17 (Transportation equipment) in the flow accounts for 1965 presented in Appendix I.

LIST 8. List of Non-competitive Imports

(Commodities which were purchased, but not produced in any of the Atlantic Provinces in 1960)

Commodities	Input-output commodity number 1
A. Foodstuffs	
I. Grains:	
Barley	
Rye	
Wheat Buckwheat	01004
Mixed grains and other grains Corn	01005
Screenings	12401
Bran, shorts and middlings	
Cornmeal grits, etc	
Oatmeals, breakfast cereals	12404
Rice meal and feed	13901
II. Flour and starch:	
Rye flour	12405
Flour and meal	
Flour and meal Malt flour Soya flour Wheat Flour (hard, soft)	4 - 4 - 0
Wheat Flour (hard, soft)	12409
Corn starch	
Cake mixes, doughnut mix, pastry	
III. Vegetable oils:	
Linseed oil, cake and meal	
Soybean oil, cake and meal Other oil cake meals	
Soybean oil, cake and meal Other oil cake meals Cooking oil (coconut, etc.) Rolling oils (palm oil, etc.)	
Other vegetable oil	
China wood oil Oils—Cotton seed, cake and meal	12507
Corn oil	
Essential oils	37902
IV. Food stabilizers:	
Rennet	
Stabilizers in making ice cream Agar-agar	
1. Sau ugui	13907
V. Sugar, molasses, etc.:	
Caramel	
Molasses (crude, refined) Syrups – Corn syrup, etc.	13301
Glucose	13910
Sugar (corn) dextrose Sugar (invert)	13911
Raw cane sugar	01006
VI. Coffee, cocoa, tea, and products:	
Coffee beans (green)	01007
tea (loose)	01008
	01009
Chocolate powder	13102
Cocoa butter Chocolate syrup	13103

	Commodities	Input-output commodity number 1
	A. Foodstuffs – Concluded	
	VII. Fruit, nuts, spices:	
1 2 3 4 5 6 7	Raisins, currants, dates for packaging Spices for grinding Vanilla beans Nuts (Almond, brazil, walnuts, pecans) Coconut, shredded Peanuts Peanuts Peanuts (green)	01010 01011 01012 01013 13913 13914 01014
	VIII. Malt and hops:	
1 2 3 4 5 6 7	Hops (imported) Hops (Canadian) Malt, (imported) i.e. non-Canadian Malt, (Canadian) Malt, extract and syrup Malt sprout Barley malt	01015 01016 13915 13916 13917 13918 13919
	IX. Rice and juices:	
1 2 3	Rice, etc. Beans, dry Fruit juices, not apple	13920 11201 11202
	B. Leather, textiles, hosiery and clothing	
1 2 3 4 5 6 7	Leather, skins and hides: Cowhide (a) top grain (b) split Leather — Upper Leather — Sole Leather — Glove Leather Findings Other findings	17201 17202 17203 17204 17205 17901 17902
	II. Rubber products:	
1 2 3 4	Sponge rubber cushioning Rubber Rubberized curled hair Tires and tubes	16901 01017 16902 16301
	III. Natural fibres:	
1 2 3 4 5	Merino – 60.s and finer	21101 21102 21103 21104 01018
	IV. Wool and wool products:	
1 2 3	Worsted yarns	19301 21105 19701
	V. Synthetic filament and fabrics:	20404
1 2 3 4 5 6 7 8 9	Rayon waste Synthetics Nylon filament Rayon filament Nylon and rayon yarns Other yarn Rayon staple fibre Nylon fibre Nylon Other fibre Degras	20101 20102 20103 20104 20105 20106 20107 20108 20109 20110 20111

No.	Commodities	Input-output commodity number ¹
	B. Leather, textiles, hosiery and clothing – Concluded	
	VI. Canvas, jute, duck, etc.:	18301
1 2 3 4	Drill	18302 18303
	All other fabrics for making of canvas products Jute cloth	22901
5	Canvas and duck	18304
-	VII. Felts:	21501
2	Felts Paper-maker's and pulp-maker's felts, wool	21501 19702
3 4	Felt, sole stock Fur felts	21502 21503
7		2.000
	VIII. Miscellaneous fabrics and sewing thread:	22001
1 2	Fabrics knitted, not of cotton Cambric tape	23901 21401
3	Coated fabrics except vinyl Linings for fur clothing	21901 21801
5	Other saturating material	
6 7	Vinyl coated fabrics Sewing twine	21902 21201
8	Sewing thread Household goods, draperies, etc.	21202 22902
	and the second s	
	C. Wood industries	
A WASHINGTON	I. Fine papers:	
1	Groundwood printing and specialty papers	27101
5	Book paper – Coated and uncoated	27102 27103
4 5	Waxed paper Glassine paper	27401 27104
6	Cover and fancy paper	27105
7	Office stationery and envelopes	27402
	II. Other paper converters:	
1 2	Gummed tape, mailing tubes, fibre drums Mats	27404 27405
		21700
1	III. Hardboard:	
1	Hardboard (birch, maple, oak)	
	IV. Specialty hardwoods:	
1	Lumber (birch, maple, oak) Logs and bolts – Mahogany	25101 03101
1		03101
	D. Primary metal industries, metal fabricating and machinery	
	I. Pig iron and ferrous alloys:	
1	Ferrochrome (including Chrome-X – high carbon)	29101
2	Ferro-manganese (high carbon) Ferro-manganese (medium carbon)	29102 29103
3 4 5 6 7 8 9	Ferro-molybdenum Ferrosilicon (medium, silicon grade)	29104
6	Ferrosilicon (high silicon grade)	29105 29106
8	Ferro Titanium Ferro varradium	29107 29108
	Silico manganese Ferro phosphorus	29109 29110
11 12	Calcium manganese silicon	29111 29112
13 14	Steels – alloys, stainless, tool Pig iron	29112 29113 29114
		27114

29701 29501 29502 29601 29602 29603 29801 29802 29803 29803 29503 29804 29805
29501 29502 29601 29602 29603 29801 29802 29803 29503 29804 29805
29501 29502 29601 29602 29603 29801 29802 29803 29503 29804 29805
29501 29502 29601 29602 29603 29801 29802 29803 29503 29804 29805
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29806
27000
29807
29115
29116 29117
29118
29119
30401 30402
30403
30404
30901
31501
3.002
31502
31302
22202
32302
07901 07902
07903
07904 07905
07101
07906

[·] See footnote(s) at end of list.

LIST 8. List of Non-competitive Imports - Continued

No.	Commodities	Input-output commodity number 1
	E. Non-metallic minerals — Concluded	
1	II. Porcelain: Porcelain	35101
2	Porcelain Insulators porcelain	35102
	III. Refractory material:	
1	Magnesite Dolomite, calcined	35901 35902
2	Clay	35903 35904
5	Celite China clay (kaolin)	35905
6	Dolomite, raw, crushed	07907
	IV. Glass and products:	
1 2	Glass	35601 35602
3	Mirrors	35603
4 5	No. 12 reflective spheres Other products of glass	35604 35606
	V. Abrasives, etc:	
1	Granules – Rock and slate	35701
2	Abrasives – Grinding and polishing – Materials, carborundum, rouge, etc.	35702
	F. Petroleum and coal products	
	I. Lubricating oils, etc.:	
1	Oil – Lubricating	36501
2	Absorbing and wash oil Paraffin and chlorowax – Wax	37902 36502
4	Oil, processing	36503
	Il. Crude oil:	
1	Crude oil and naphtha	06301
	III. Core oil:	
1	Core oil	37903
	G. Electrical products industries	
	I. Electrical industrial equipment:	
1 2	Electric motors, under one h.p	33601 33602
	II. Miscellaneous electrical products:	
1 2	Electrodes	33901 33902
	III. Communications equipment:	
1	Radios, television sets	33501
	H. Miscellaneous manufacturing	
	I. Scientific and professional equipment:	
1 2	Frames for spectacles	38101
3	Ophthalmic and surgical materials Miscellaneous dental supplies	38102 38103
4	Photographic film	38104

	Then competitive imports — continued				
No.	Commodities	Input-output commodity number I			
	H. Miscellaneous manufacturing — Concluded				
	II. Plastic shapes and forms:				
1					
1 2	Plastic Plastic board	37301			
3	Foamed plastic cushioning	37302 37303			
4	Foam retainers	37801			
5	Transparent film - Cellulose, plastic polystyrene, etc.	37304			
	III. Resins – Not shaped:				
1	Synthetic resins including vinyl, plastic, etc.	27205			
1	Synthetic resins meruting vinyi, plastic, etc.	37305			
	IV. Miscellaneous manufactures:				
1	Toilet preparations	37701			
2	Jewellery, silverware, clocks	38201			
3	Sporting goods and toys	39301			
4 5	Button, miscellaneous fasteners, dry goods and notions	39901			
5	Tobacco products	15301			
	I. Chemical and chemical products				
	I. Inorganic chemicals:				
1	Sodium aluminum sulphate (alum)	37802			
2	Sulphur	06501			
3	Sulphate of soda (salt cake)	37803			
5	Iron oxide	37804 37805			
6	Ammonium bicarbonate	37806			
7	Sodium sulphite	37807			
8	Sodium hydroxide	37808			
9	Chlorine – Liquid	37809 37810			
11	Calcium carbide	37811			
12	Borax	37812			
13	Silicate of soda	37813			
14	White lead (a) basic carbonate (b) basic sulphate	37814			
15	Baking soda (sodium bicarbonate)	37815 37816			
16 17	Sodium carbonate (soda ash)	37817			
18	Calcium acid phosphate (mono)	37818			
19	Alum	40381			
20	Antimony oxide	37819 37820			
21	Titanium dioxide Zinc oxide	37820			
22 23	Magnesium oxide	37822			
24	Caustic soda	37823			
25	Agua ammonia and anhydrous	37824 37825			
26	White arsenic Phosphoric acid	37825			
27 28	Sulphur dioxide	37827			
29	Muriatic acid (hydrochloric)	37828			
30	Rlack (mostly carbon black)	37829			
31	Allevlata	37830 37831			
32	Lactates – Butyl	21021			

	Commodities	Input-output commodity number ¹
No.		
	I. Chemical and chemical products – Continued	
1	I. Inorganic chemicals – Concluded:	
33 34 35	Other extender pigments	37832 37833 37834
	II. Organic chemicals:	
1 2 3 4 4 5 6 7 7 8 9 9 10 11 12 13 14 15 16 17 7 18 18 19 20 21 22 23 24 25 26 26	Animal charcoal Phenol Benzol Industrial alcohols (ethyl, methyl, etc.) Lactic acid Formaldehyde Ethyl cellulose Ethylene glycol Propylene glycol Other glycols Benzoate of soda Carboxyl (a) Anti-skinning agents (b) fatty acids Tetra ethyl fluid Mono sodium glutamate Monoethynolamene Citric acid Tartaric acid Acetates — amyl, butyl, ethyl Ketones (a) methyl ethyl (b) methyl isobutyl Acetone Vanillin Methylene chloride Tannic acid Cream of tartar (crude) Camphor	37904 37836 37837 37838 37839 37840 37841 37842 37843 37844 37845 37846 37847 37848 37849 37850 37851 37852 37853 37854 37905 37906 37855 37856 37857 37858
1 2 3 4 5 6 7 8	III. Fertilizers, insecticides, etc: Potassium sulphate Pyrophosphate	37859 37860 37861 37862 37863 37864 37865 37907
1 2	IV. Glue: Size	37908 37909
	V. Rubber resins:	
1 2 3 4	Gums	37910 37306 16903 16904

220 T Of Past of Non-competitive Imports — Concluded					
lo.	Commodities	Input-output commodity number 1			
10.					
	I. Chemical and chemical products — Concluded				
V.	Rubber resins - Concluded:				
5	Lecithin	16005			
6	Natural resins	16905 16906			
7	Nitro-cellulose	37307			
0					
VI.	Dyes and pigments:				
1	Titanium oxides	27966			
2	Black pigments	37866 37867			
3	White pigments	37868			
4	Dyestuffs	37869			
5	Dyes and colours	37870			
6 7	Filtering agents	37871			
8	Extended titanium dioxide	37872 37873			
	Promote Promot	37073			
VII	Chemical specialties and unclassified chemicals:				
1	Agar	37874			
2	Additives	37911			
3	Glycerine	37601			
4	Sodium alumnate	37875			
5	Filtering materials	27406			
6	Fluid for catalytic cracking unit	37876			
7 8	Lithargl	37877 37878			
9	Solvents	37879			
0	Glycerol mono oleate	37880			
1	Foam and slime killers	37881			
2	Mono glyceride emulsifier	37882			
3	Refrigeration materials	37883			
5	Preservatives	37884 37912			
5	Printing ink	37913			
7	Chillproofing and clarifying materials	37880			
8	Roots and herbs – materials for food preparations	01014			
9	Turpentine	37914			
0	Miscellaneous brewing ingredients including salts	37886 37887			
1 2	Miscellaneous chemicals and agents Other salts	37888			
3	Other salts Lead oxide	3,000			
4	Disinfectants	37914			
5	Sprays and insecticides	37915			
	Medicines and vitamins:	25400			
1	Veterinary medicines - Coccidiosis	37402 37889			
	Ascorbic acid	37890			
	Antibiotics	37403			
	Other antibiotics food supplements	37404			
	Vitaming	37405			
7	Drugs and medicines (general)	37406			
2 3 4 5 5 6 7 7	Ascorbic acid	3789 3740 3740 3740			

¹ The first three digits of the code correspond to the S.I.C. of the principal producer of the commodity.



CHAPTER 4

INPUT-OUTPUT MODELS



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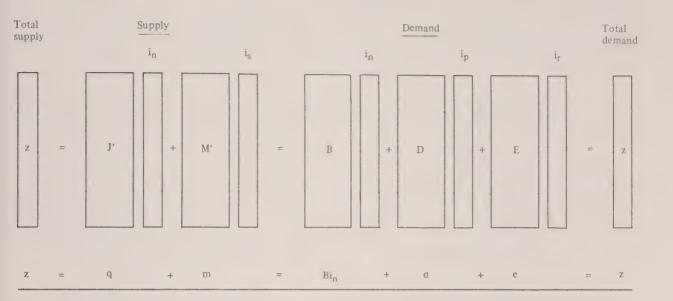
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INPUT-OUTPUT MODELS

I. The Basic Model

We may usefully recapitulate the building blocks of the basic model used in this study. Below we depict a

set of base year accounting identities; one for each of the commodities in the system:



Three assumptions form our basic model:

- (a) The requirements of commodities and primary inputs are proportional to industry output levels. This corresponds to the Leontief technology assumption. In a commodity by industry system this assumption is referred to as the "industry technology" assumption.
- (b) Commodity demand is directed toward industries in proportion to the ratios in which the commodities were supplied by the industries in the base year. This is the "constant domestic market share" assumption. The share of each industry in the domestic market is assumed to be constant.
- (c) The demand for competitively imported commodities is proportional to their total domestic use. The latter is defined as intermediate use plus final demand for domestic uses, and equals domestic output less exports plus imports. This is a modification of the "fixed supply coefficient" assumption first developed by Chenery and Moses (11). (It is implicit in our model that exports are supplied exclusively from domestic output.)

In accordance with these assumptions we define the following sets of coefficients:

1. Market Share Coefficients $\hat{\vec{J}} = \hat{Jq}^{-1}$ and Import Coefficients $\hat{\vec{M}} = \hat{M} (\hat{q} + \hat{m} - \hat{e})^{-1}$

The matrix J in the base year flow accounts records the output of commodities by industries. It is assumed that the industries of the system keep their share of the market for commodities. We thus divide the flows in every row of J by the appropriate commodity output levels q to obtain J. The idea was first suggested by Stone who offered it as an alternative to the older transfer technique for dealing with secondary products and by-products and as an alternative also to the assumption that the product mix of industries remains fixed. It is used both in the Quebec System of Economic Accounts and in the Canadian input-output tables for 1961 (13). The publication describing the latter contains a splendid exposition of the fixed market share — fixed industry coefficient model.

The matrix M in the base year flow accounts records competitive imports by source. It is assumed that each source of imports maintains its share of domestic requirements. The latter are defined as total commodity requirements exclusive of export requirements.

¹ Stone, Input-output Relationships, 1954-1966. (45)

² Bureau de la statistique de Québec, Le système de comptabilité économique de Québec. Volume 1 (36).

By dividing each column in the import matrix M by the appropriate total domestic supply (q + m - e) we obtain a matrix M = M $(\hat{q} + \hat{m} - \hat{e})^{-1}$ of competitive import coefficients. (Note that M can equally be derived from M = M $(B\hat{i} + \hat{d})^{-1}$.) The vector $m' = i'_s M$ yields total competitive imports of each type of commodity and the corresponding vector $\mu' = i'_s M$ yields ratios of competitive imports (from all sources) to domestic requirements, i.e., the column sums of the coefficient of M yield the row vector $\hat{\mu}'$.

Thus the market share matrix provides the transformation $g = \overset{*}{J} q$ and the import coefficient matrix the relationship $m = \hat{\mu} (q + m - e) = \hat{\mu} (Bi + d)$.

Table 4.1 shows the market share matrix $\overset{*}{J}$, the import coefficient matrix $\overset{*}{M}$ and the vector μ' for Nova Scotia and the Atlantic Region for 1965.

2. Industry Input Coefficient: $\mathbf{B} = \mathbf{B}\hat{\mathbf{g}} - 1$

The matrix B in the base year accounts records the inputs of commodities into industries. It is assumed that requirements of inputs of commodities are proportional to industry output levels. We thus divide the flows in every column of B by the corresponding industry output level g to obtain B. The assumption is similar to the classical Leontief one. It should be noted that the matrix B and the derived matrix B relate to commodity inputs to industries, regardless of the industrial origin of the commodity, and regardless of whether the commodity is provincially produced or imported. If each commodity in the system were produced by only one industry, then B would be Leontief's inter-industry input coefficient matrix A. In our system, however, commodities are not constrained to be produced by a single industry. The matrix B is invariant to changes in the industrial origin of commodities, i.e., it does not change in accordance with changes in the share of the industries in the market for a commodity.

Table 4.2 shows the input coefficient matrix $\overset{*}{B}$, for Nova Scotia, 1965. It is important to note that the $12 \times 12 \overset{*}{B}$ matrix is not an inter-industry input coefficient matrix.

3. Industrial Primary Input Coefficients
$$\overset{*}{V_B} = V_B \hat{g}^{-1}; \overset{*}{Q}_B = Q_B \hat{g}^{-1}$$

These are similar to the input matrix $\overset{*}{B}$. $\overset{*}{V}_B$ and $\overset{*}{Q}_B$ are derived from the base year flow matrices V_B and Q_B by dividing primary inputs by the appropriate industry output levels. In practice industrial input coefficients are usually normalized in one operation:

$$\begin{bmatrix} * \\ B \\ ... \\ V_B \\ ... \\ Q_B \end{bmatrix} = \begin{bmatrix} B \\ ... \\ V_B \\ ... \\ Q_B \end{bmatrix} \hat{g}^{-1}$$

It is useful to include in the primary input matrices V_B and Q_B some non-additive figures, such as employment and total factor income.

In Table 4.2 we show the industrial primary input coefficients $\stackrel{*}{V}_B$ and $\stackrel{*}{Q}_B$ for Nova Scotia 1965. Direct primary input coefficients of industries are of interest in themselves. When combined with total (i.e., direct plus indirect) requirements for primary inputs, they yield useful "multiplier" measures of backward linkage.

4. Final Demand Expenditure Coefficients

$$\begin{bmatrix} * \\ D \\ ... \\ V_D \\ ... \\ Q_D \end{bmatrix} = \begin{bmatrix} D \\ ... \\ V_D \\ ... \\ Q_D \end{bmatrix} \text{ and } \begin{bmatrix} * \\ E \\ ... \\ V_E \\ ... \\ Q_E \end{bmatrix} = \begin{bmatrix} E \\ ... \\ V_E \\ ... \\ Q_E \end{bmatrix} \hat{x}^{-1}$$

Final expenditure categories are normalized by dividing the final demand expenditure flows in the matrices D and E by the appropriate totals [y', x']. There are p domestic expenditure categories and r types of exports. The primary inputs to final demand categories V_D and $Q_D\,;\,V_E$ and Q_E are divided by the same column total to yield a set of direct input coefficients to final expenditure categories analogous to industry input coefficients.

Table 4.2 shows the full set of final demand expenditure coefficients for Nova Scotia, 1965. These spending patterns are particularly useful if we wish to estimate the total impact on the economy of various proposed public expenditures.

Tables 4.1 and 4.2 contain the total data input of structural parameters into the system. All other analytical tables derive from B, J, M; V_B and Q_B , D, E, V_D , V_E , Q_D and Q_E .

5. Derived Input Coefficients and Flows, $\stackrel{**}{BJ}$, $(I - \hat{\mu})$ $\stackrel{*}{BJ}$, $\stackrel{*}{JB}$, $\stackrel{*}{JB}$, $\stackrel{*}{J}$ \stackrel

Where a commodity is produced by one industry only, the relevant column of the matrix B tells us the commodity input requirements of obtaining a unit of this commodity.

Where a commodity is produced in several industries, the commodity input requirements per unit output of commodity is a weighted average of the commodity input coefficients of the industries producing this commodity. The weights are obtained from the market share matrix J. The set of weighted average input structures is given by the matrix BJ. A simple illustration may be helpful. Suppose we have 3 commodities and 2 industries and the following B and J matrices:

		* B				*	
		Industries			Con	mmodi	ties
		1 2			1	2	3
	1	.2 .3		1	1.0	.2	-
Commodities	2	.1 .2	Industries	2	_	.8	1.0
	3	.5 –	Total output		1.0	1.0	1.0
Total intermediate inputs		.8 .5					

The first commodity is produced by the first industry only and its commodity input structure is thus given by

$$\mathbf{BJ_1} = \begin{bmatrix} .2 \\ .1 \\ .5 \end{bmatrix}$$

In the case of the second commodity, 20% is supplied by the first industry and 80% by the second. Thus we have

$$\mathbf{\mathring{B}J_{2}} = \begin{bmatrix}
.2 \times .2 \\
.1 \times .2 \\
.5 \times .2
\end{bmatrix} + \begin{bmatrix}
.8 \times .3 \\
.8 \times .2 \\
.8 \times .0
\end{bmatrix} = \begin{bmatrix}
.28 \\
.18 \\
.10
\end{bmatrix}$$

while

thus

The matrix BJ shows requirements of commodities per unit commodity output. It should be noted that it rests on the assumption of fixed industry technology, i.e., an industry has a fixed commodity input mix which is invariant to its product mix.

To obtain input coefficients for domestically supplied commodities we multiply each row of the matrix $\stackrel{**}{BJ}$ by the appropriate domestic coefficient $(I - \hat{\mu})$. The expression $(I - \hat{\mu})$ $\stackrel{**}{BJ}$ thus yields a matrix of domestically supplied commodity inputs per unit of total commodity output.

Suppose values of μ are .5, .3 and 0 in our illustrative example. Then domestically supplied inputs required to produce one unit of the first, second and third commodity respectively would be:

$$(\mathbf{I} - \hat{\mu}) \overset{**}{\mathbf{B}} \overset{*}{\mathbf{J}}_{1} = \begin{bmatrix} .1 \\ .07 \\ .5 \end{bmatrix}$$

$$(I - \hat{\mu}) \stackrel{**}{BJ}_2 = \begin{bmatrix} .14 \\ .126 \\ .10 \end{bmatrix}$$

$$(I - \hat{\mu}) \stackrel{**}{BJ}_3 = \begin{bmatrix} .15 \\ .14 \\ .0 \end{bmatrix}$$

$$(I - \hat{\mu}) \stackrel{**}{BJ} = \begin{bmatrix} .5 & 0 & 0 \\ 0 & .7 & 0 \\ 0 & 0 & 1.0 \end{bmatrix} \begin{bmatrix} .20 & .28 & .30 \\ .10 & .18 & .20 \\ .50 & .10 & .00 \end{bmatrix} \begin{bmatrix} .10 & .14 & .15 \\ .07 & .13 & .14 \\ .50 & .10 & .00 \end{bmatrix}$$

Inter-industry Coefficient Matrix

There is another transformation which can usefully be derived from B and J. By premultiplying B by J we transform commodity requirements into industry output requirements. To use the same example, we obtain

$$\begin{bmatrix} 1.0 & .2 & 0 \\ 0 & .8 & 1.0 \end{bmatrix} \begin{bmatrix} .2 & .3 \\ .1 & .2 \\ .5 & 0 \end{bmatrix} = \begin{bmatrix} .22 & .34 \\ .58 & .16 \end{bmatrix}$$

The first industry uses .2 units of the first commodity which is supplied entirely by the first industry and .1 unit of the second commodity of which 20% is supplied by the first industry. Total use by the first industry of the output of the first industry thus $1.0 \times .2 + .2 \times .1 = .22$. Similarly uses by the first industry of the output of the second industry equals $.8 \times .2 + 1.0 \times .5 = .58$

To obtain domestically supplied industry inputs we again multiply each row of the matrix $\overset{*}{B}$ by the appropriate domestic coefficient $(I - \mu)$ to yield a matrix of domestically supplied industry inputs per unit total industry output. To use the same illustrative example:

$$\overset{*}{J}(I - \hat{\mu}) \overset{*}{B} = \begin{bmatrix} 1.0 & .2 & 0 \\ 0 & .8 & 1.0 \end{bmatrix} \begin{bmatrix} .5 & 0 & 0 \\ 0 & .7 & 0 \\ 0 & 0 & 1 \end{bmatrix} \begin{bmatrix} .2 & .3 \\ .1 & .2 \\ .5 & 0 \end{bmatrix} = \begin{bmatrix} .17 & .178 \\ .556 & .112 \end{bmatrix}$$

Clearly, the coefficients $\overset{**}{JB}$ and $\overset{*}{J}$ (I - $\hat{\mu}$) $\overset{*}{B}$ are inter-industry coefficients. By post multiplying $\overset{**}{JB}$ by base year industry output levels \hat{g} we can generate a flow matrix $\overset{*}{JB}$ which represents inter-industry flows of the traditional variety.

Table 4.3 shows the coefficient matrices $\stackrel{*}{BJ}$, $(I - \hat{\mu}) \stackrel{*}{BJ}$, $\stackrel{*}{J} (I - \hat{\mu}) \stackrel{*}{B}$, for Nova Scotia, 1965 and the adjusted flow matrix $\stackrel{*}{JB}$.

6. The Basic Model

On the basis of the three assumptions listed above, and using the corresponding coefficient sets \hat{B} , \hat{J} and $\hat{\mu}$ we have three relationships.

Commodity Supply Equals Commodity Use

$$q + m = {*}{B}g + d + e$$
 (1)

Industry Outputs Equal the Sum of Commodities Produced

$$g = Jq$$
 (2)

Competitive Imports are a Fixed Ratio of Domestic Requirements

$$m = \hat{\mu} (q + m - e)$$
 (3)

The system has three sets of unknowns i.e., domestic commodity outputs q, industry output levels g, and (competitively) imported commodity requirements m.

Solving for Commodity Outputs q

Substituting from (2) and (3) into (1) we have:

$$q + (I - \hat{\mu})^{-1} \hat{\mu} (q - e) = B \hat{J} q + d + e$$

which can be expressed as:

$$q = [I - (I - \hat{\mu}) \overset{*}{B} \overset{*}{J}]^{-1} [(I - \hat{\mu}) d + e]$$
 (4)

Solving for Industry Output Levels g

$$g = J^* [I - (I - \hat{\mu}) B^* J^*]^{-1} [(I - \hat{\mu}) d + e]$$
 (5a)

Alternately from (1) and (3) we have:

$$(I - \hat{\mu})^{-1} q = {\stackrel{*}{B}}g + d + (I - \hat{\mu})^{-1}e$$

and

$$q = (I - \hat{\mu}) Bg + (I - \hat{\mu}) d + e$$

combined with (2) this equation yields the following expression:

$$g = [I - \mathring{J}(I - \hat{\mu})\mathring{B}]^{-1}\mathring{J}[(I - \hat{\mu}) d + e]$$
 (5b)

(5a) and (5b) suggest that

$$\mathring{\mathbb{J}}\left[I-(I-\hat{\mu})\overset{*}{B}\overset{*}{J}\right]^{-1}$$
 might be equal to $\left[I-\overset{*}{J}(I-\hat{\mu})\overset{*}{B}\right]^{-1}\overset{*}{J}$

This is the case as can be demonstrated by expanding the first expression:

$$\overset{*}{J} [I - (I - \hat{\mu}) \overset{*}{B} \overset{*}{J}]^{-1} = [\overset{*}{J} + \overset{*}{J} (I - \hat{\mu}) \overset{*}{B} \overset{*}{J} + \overset{*}{J} (I - \hat{\mu}) \overset{*}{B} \overset{*}{J} (I - \hat{\mu}) \overset{*}{B} \overset{*}{J} + \dots]$$

$$= [I - \overset{*}{J} (I - \hat{\mu}) \overset{*}{B} + \overset{*}{J} (I - \hat{\mu}) \overset{*}{B} \overset{*}{J} (I - \hat{\mu}) \overset{*}{B} + \dots] \overset{*}{J}$$

$$= [I - \overset{*}{J} (I - \hat{\mu}) \overset{*}{B}]^{-1} \overset{*}{J}$$

Solving for Competitive Imports m

Substituting from (1) and (3) we have:

$$m = \hat{\mu} (Bg + d)$$

Substituting from (2) and (4) we have:

$$\mathbf{m} = \hat{\mu} \, \underset{BJ}{**} \, [\mathbf{I} - (\mathbf{I} - \hat{\mu}) \, \underset{BJ}{**}]^{-1} \, [(\mathbf{I} - \hat{\mu}) \, \mathbf{d} + \mathbf{e}] + \hat{\mu} \, \mathbf{d}$$
 (6)

Clearly the first part of this expression yields indirect competitive imports while the second part $\hat{\mu}$ d represents direct competitive imports.

The Commodity Inverse Rc

Direct and indirect requirements for commodities per unit commodity output delivered for final use is obtained from (4).

The commodity inverse

$$R_c = [I - (I - \hat{\mu}) \mathring{B} \mathring{J}]^{-1}$$

has as many rows and columns as there are commodities in the system. Any column yields a list of direct and indirect domestic commodity requirements per unit of commodity delivered for final use. Each element of the matrix R_c can usefully be compared with the corresponding element in the matrix $(I - \hat{\mu})$ BJ. Evidently the matrix

$$(I - \hat{\mu}) \stackrel{**}{BJ} - [I - (I - \hat{\mu}) \stackrel{**}{BJ}]^{-1}$$

is a matrix of indirect domestic commodity requirements per unit of commodity delivered for final use.

Table 4.4 presents the commodity inverse R_c for Nova Scotia, 1965.

The Industry Inverse RI

Direct and indirect requirements for industry output per unit industry output delivered for final use is obtained from (5b).

The industry inverse

$$R_1 = [I - \mathring{J} (I - \hat{\mu}) \mathring{B}] - 1$$

has as many rows and columns as there are industries in the system. Any column yields direct and indirect requirements for industry output levels per unit of industry output delivered for final use. Each element in the matrix R_I can usefully be compared with the corresponding elements in the matrix $J(I-\hat{\mu})$ B. Evidently the matrix

$$\begin{bmatrix} \mathring{\mathbf{J}} (\mathbf{I} - \hat{\mu}) \mathring{\mathbf{B}} \end{bmatrix} - \begin{bmatrix} \mathbf{I} - \begin{bmatrix} \mathring{\mathbf{J}} (\mathbf{I} - \hat{\mu}) \mathring{\mathbf{B}} \end{bmatrix} - 1$$

is a matrix of indirect industry requirements per unit industry output delivered for final use.

Table 4.7 presents the industry inverse $R_{\rm I}$ for Nova Scotia, 1965.

Primary Input Requirements

By premultiplying direct and indirect requirements for industry output $R_{\rm I}$ by primary input coefficients $\stackrel{*}{V}_B$ we obtain direct and indirect primary input re-

 $\overset{*}{\mathsf{Q}}_{B}$

quirements per unit industry output delivered for final use:

$$\begin{matrix} \overset{*}{\mathbf{V}_{B}} \\ \dots \\ \overset{*}{\mathbf{Q}_{B}} \end{matrix} \left[\mathbf{I} - \overset{*}{\mathbf{J}} \left(\mathbf{I} - \hat{\mu} \right) \overset{*}{\mathbf{B}} \right]^{-1}$$

Table 4.8A shows the results for Nova Scotia, 1965.

By premultiplying direct and indirect requirements for industry outputs per unit **commodity** output demanded for final use by primary input coefficients

$$\overset{*}{\overset{V_B}{\bigvee_{B}}}$$

we obtain direct and indirect primary input requirements per unit commodity output delivered for final use as

either

$$\stackrel{*}{\overset{V}{\overset{}_{B}}}_{\text{OB}}$$
 [I - J (I - $\hat{\mu}$) $\stackrel{*}{\overset{}_{B}}$] -1 $\stackrel{*}{\overset{}_{J}}$

or

$$\begin{matrix} \overset{*}{\operatorname{V}}_{B} & \overset{*}{\operatorname{J}} \left[\operatorname{I} - \left(\operatorname{I} - \hat{\mu} \right) \overset{*}{\operatorname{BJ}} \right]^{-1} \\ \overset{*}{\operatorname{Q}}_{B} \end{matrix}$$

Table 4.9 shows these primary input requirements for Nova Scotia, 1965.

Competitive Import Requirements per unit Commodity Delivered for Final Use (Table 4.6)

From (6) we obtain the indirect competitive import (input) requirements per unit commodity output delivered for final use as:

$$\hat{\mu} \stackrel{**}{BJ} [I (I - \hat{\mu}) \stackrel{**}{BJ}]^{-1}$$

The matrix has as many rows and columns as there are commodities in the system. Table 4.6 presents indirect competitive imports for Nova Scotia, 1965.

If there were no competitive import leakages in the system, the sum of all primary inputs required directly and indirectly to produce one unit of commodity output delivered for final use would evidently equal unity. With the introduction of import leakages it is the sum of direct and indirect primary input requirements plus indirect competitive import requirements per unit commodity output delivered for final use which is equal to one. The proof is offered below.³

Direct and Indirect Requirements for Industry Output Per Unit Commodity Output Delivered for Final Use

Matrices $[I-\mathring{J}(I-\hat{\mu})\mathring{B}]^{-1}\mathring{J}$ and $\mathring{J}[I-(I-\hat{\mu})\mathring{B}J]^{-1}$ of (5a) and (5b), which were shown above to be equal, can be expressed respectively as $R_I\mathring{J}$ and $\mathring{J}R_C$. It is evident from (5a) or (5b) that these matrices represent the direct and indirect requirements for industry outputs per unit commodity output delivered for final use.

Table 4.8B shows direct and indirect industry output requirements per unit commodity delivered for final use in Nova Scotia, 1965.

Direct and Indirect Commodity Requirements Per Unit of Final Expenditure Category

The definition of $\overset{*}{D}$ and $\overset{*}{E}$ implies that:

$$d = \mathring{D}y$$

and

$$e = E_X$$

$$\begin{array}{l} 3 \quad i'_{k} \overset{*}{V}_{B} \overset{*}{J} [I - (I - \hat{\mu}) \overset{**}{BJ}]^{-1} + i'_{m} \hat{\mu} \overset{**}{BJ} [I - (I - \hat{\mu}) \overset{**}{BJ}]^{-1} \\ = [i'_{k} \overset{*}{V}_{B} + i'_{m} \hat{\mu} \overset{*}{B} + i'_{m} (I - \hat{\mu}) \overset{*}{B} - i'_{m} (I - \hat{\mu}) \overset{*}{B}] \overset{**}{JR}_{c} \\ \text{where } R_{c} = [I - (I - \hat{\mu}) \overset{**}{BJ}]^{-1} \\ = [i'_{n} \overset{*}{J} - i'_{m} (I - \hat{\mu}) \overset{**}{BJ}] R_{c} \\ = [i'_{m} - i'_{m} (I - \hat{\mu}) \overset{**}{BJ}] R_{c} \\ = i'_{m} [I - (I - \hat{\mu}) \overset{**}{BJ}] R_{c} \\ = i'_{m} [I - (I - \hat{\mu}) \overset{**}{BJ}] R_{c} \\ = i'_{m} \end{array}$$

Thus from

$$q = [I - (I - \hat{\mu}) BJ]^{-1} [(I - \hat{\mu}) d + e]$$
 (4)

we obtain

$$q = [I - (I - \hat{\mu})BJ^*]^{-1} [(I - \hat{\mu})D^*:E^*]$$
 y

thus

$$[I - (I - \hat{\mu}) \mathring{BJ}]^{-1} [(I - \hat{\mu}) \mathring{D} : \mathring{E}]$$

represent the direct and indirect domestic commodity requirements for each category of final expenditure. Evidently, there are as many rows as there are commodities and as many columns as there are final expenditure categories.

In calculating domestic commodity requirements, the portion of final expenditure requirements initially supplied by competitive imports is not, of course, directed towards the domestic economy. In effect each of the columns in the matrix \hat{D} is split into two parts: the domestically-supplied portion of final demand $(I-\hat{\mu})$ \hat{D} and the imported portion $\mu\hat{D}$. In the case of export categories the entire initial demand is directed towards the domestic economy.

Table 4.10A shows the direct and indirect commodity requirements for various types of final expenditures for Nova Scotia, 1965.

The transformation $g = \overline{J}q$ enables us to convert direct and indirect domestic commodity requirements per category of final expenditure into the corresponding industry output requirements:

$$\mathring{J}[I - (I - \hat{\mu}) \mathring{B} \mathring{J}]^{-1}[(I - \hat{\mu}) \mathring{D} : \mathring{E}]$$

or

$$[I - \mathring{J}(I - \hat{\mu}) \mathring{B}]^{-1} \mathring{J}[(I - \hat{\mu}) \mathring{D} : \mathring{E}]$$

Table 4.10B shows the direct and indirect industry output requirements for various types of final expenditures, Nova Scotia, 1965.

Indirect Requirements for Primary Inputs Per Unit Expenditure on Each Final Category

From the above, we obtain the expression for indirect⁴ primary input requirements:

or

$$\overset{*}{\overset{}{\text{V}}_{\text{B}}} \overset{*}{\overset{}{\text{J}}} \left[\text{I} - (\text{I} - \hat{\mu}) \overset{*}{\overset{}{\text{BJ}}} \right]^{-1} \quad \left[(\text{I} - \hat{\mu}) \overset{*}{\overset{}{\text{D}}} : \overset{*}{\overset{}{\text{E}}} \right]$$

Table 4.10C shows indirect requirements for primary inputs per unit final expenditure category.

Transformation of Final Expenditure Flows into Primary Input Flows

From

$$\overset{*}{\overset{V}{\underset{M}{\bigvee}}}_{\text{N}} R_{\text{I}} \overset{*}{\underset{M}{\mid}} [(I - \hat{\mu}) \overset{*}{\underset{M}{\bigcup}} y : \overset{*}{\underset{E}{\mid}} x]$$

we can obtain the flow matrix of the indirect primary input requirements of all final expenditure categories in the base year.

Evidently,

$$\overset{*}{\overset{V_B}{\overset{V_B}{\overset{}}{\overset{}}}} R_I \overset{\sharp}{\overset{\sharp}{\overset{}}} [(I - \hat{\mu}) \overset{*}{\overset{}{\overset{}}{\overset{}}{\overset{}}} : \overset{*}{\overset{}{\overset{}{\overset{}}{\overset{}}{\overset{}}}} i_{p+r} \quad \overset{V_B}{\overset{}{\overset{}{\overset{}}{\overset{}}{\overset{}}}} \dots i_n}$$

$$\overset{*}{\overset{Q_B}{\overset{}{\overset{}}{\overset{}}}} Q_B \qquad \qquad Q_B$$

This constitutes a total check on the model.5

Table 4.11 illustrates these identities for Nova Scotia, 1965.

Multipliers

By comparing direct requirements with total requirements we obtain a measure of the backward linkage of each of the commodities and final expenditure categories in the system.

We may define three distinct kinds of multipliers. The first we call output multipliers. They measure the gross sum of total outputs required to produce one unit for final delivery. The second we call input multipliers. They measure the ratio of the sum of total intermediate input requirements supplied from domestic production to the sum of direct intermediate inputs supplied for domestic production. The third category we call primary input multipliers. These relate total requirements of various types of primary inputs to direct requirements.

Output Multipliers

The row vector composed of the n column sums of the matrix $R_{\rm I}$

$$i'_{n} [I - \mathring{J} (I - \hat{\mu}) \mathring{B}]^{-1}$$

yields a measure of total industry output requirements per unit of industry output delivered for final use.

The row vector composed of the m column sums of the matrix $\boldsymbol{R}_{\text{c}}$

$$i'_{m} [I - (I - \hat{\mu}) BJ]^{-1}$$

yields a similar measure of total commodity output requirements per unit commodity delivered for final use.

In both cases we obtain domestic requirements only. Competitively imported requirements are "leaked out" of the system.

These multipliers tend to vary with the ratio of domestically supplied intermediate input per unit of industry (or commodity) output.

Input Multipliers

Intermediate input multipliers with respect to the industries in the system are given by the ratios of the elements in the row vector:

$$i'_{n} [I - \mathring{J} (I - \hat{\mu}) \mathring{B}]^{-1} - i'_{n}$$

(which is equal to the row vector: $i'_n R_I \stackrel{*}{J} (I - \hat{\mu}) \stackrel{*}{B}$)

to the corresponding elements in the row vector

$$i'_n \mathring{J} (I - \hat{\mu}) \mathring{B}$$

⁴ In this case, the direct primary input requirements involve the primary inputs associated with each category of expenditure.

⁵ It is advisable to include this check in all programs. The model cannot reproduce the original base year primary inputs unless all coefficient matrices and all programming is correct.

Each of these multipliers measures the ratio of total intermediate domestic requirements to direct intermediate domestic requirements for an industry's output. It is interesting to note that these ratios show a remarkable stability compared to the corresponding output multipliers. The reason is that the output multipliers are affected by differences among industries in the ratios of intermediate inputs to output, whereas input multipliers are not. Intermediate input multipliers may also be defined with respect to the commodities in the system as the ratios of the elements of the row vector

$$i'_{m} [I - (I - \hat{\mu}) \mathring{B} \mathring{J}]^{-1} - i'_{m}$$

(which is equal to the row vector: $i'_{m}R_{c}(I - \hat{\mu}) \overset{**}{BJ}$)

to the corresponding elements in the row vector

$$i'_{m} (I - \hat{\mu}) \stackrel{**}{BJ}$$

Input multipliers for commodities (or industries) have counterparts in terms of final public sector expenditure categories, which measure the ratios of total domestic requirements to direct domestic requirements for each category of final expenditure.

For final expenditure categories these ratios are formed by dividing the elements in the row vector.

$$i'_{m} [I - (I - \hat{\mu}) BJ]^{-1} (I - \hat{\mu}) D$$

by the corresponding elements in the row vector

$$i'_{m} (I - \hat{\mu}) \overset{*}{D}$$

Primary Multipliers

Among the most useful multipliers derived from system are those which compare total requirements for each type of primary input with direct requirements. Obviously these can be obtained on the basis of a unit of industry output, or a unit of commodity output.

The primary input multipliers for each industry are given by dividing each element in the matrix

$$V_{B}$$
.... $[I - J(I - \hat{\mu})B]^{-1}$

by the corresponding element in the matrix

Primary input multipliers on a commodity basis are obtained by dividing each element in the matrix

by the corresponding element in the matrix

Output, input and primary multipliers for Nova Scotia are presented in Table 4.16.

Summary of the Basic Model

The expressions used in the basic model are summarized in the list of tables and in Charts 4.1 and 4.2.

The bottom right hand corner of each box in the two charts contains table numbers relating to the illustrative example for Nova Scotia.

The model is basic in the sense that the closed versions (Models II and III) and the inter-regional version share the same formal characteristics.

II. Illustrative Example of the Basic Model

Throughout the exposition of the previous section we have left a trail of references to the input-output accounts of Nova Scotia, 1965 which are described earlier in this chapter. To assist the reader in comprehending our basic input-output model, these tables will here be reviewed again. Our illustrations using the Nova Scotia (12×12) tables can be easily extended to the Atlantic Region (12×8) tables.

We now limit our exposition to what the figures mean; the chapter on the economic structure of the Atlantic Provinces will, by contrast, be focussed on what these figures can tell us. It is hoped that these explanations will enable the reader to use to full effect, the larger system of tables contained in the Appendix.

Direct Requirements for Commodities, Industry Outputs and Primary Inputs from Domestic Sources

CHART 4.1

				not shown		not shown		Table 4.2
	Final expenditure categories		$\{(1-\mu) \text{ D} : \text{E}\}$		* (1 - μ) D: E]		V_{D}^{*} V_{E}^{*} V_{E}^{*}	
Direct requirements for commodition, measure of the many inputs notin Demosity Demos		u		not shown		Table 4,3D		Table 4.2
	Industries		(1 - μ̂) *		$J\left(I-\hat{\mu}\right)\overset{*}{B}$			
		E		Table 4.3(B)		not shown		not shown
	Commodities	1	(1 - μ̂) Β J		J (I - μ) B J		* *> : *0	
			səirib	ошшоЭ		VilsubnI siuqiuo	Vimmir suuqn	H

Direct and Indirect Input Requirements Relating Commodities, Industries, Primary Inputs and Final Demand Patterns

CHART 4.2

Final expenditure categories	Direct and indirect requirements for commodities per unit of final expenditure. $ [I-(I-\hat{\mu})\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ $	Direct and indirect requirements for industry output per unit of final expenditure. Either: $J [I-(I-\hat{\mu})] = J [I-I-\hat{\mu}] = J [I-I-I-\hat{\mu}] = J [I-I-I-I-I-I-I-I-I-I-I-I-I-I-I-I-I-I-I-$	Indirect requirements for primary inputs per unit of final expenditure $ \hat{\nabla}_{B} \left[I.^{\frac{1}{2}} \left(I.^{\frac{1}{2}} \right) B \right] \cdot I.^{\frac{1}{2}} \left[\left(I.^{\frac{1}{2}} \right) \hat{D} : \hat{E} \right] $ $ \hat{\nabla}_{B} $ or $ \hat{\nabla}_{B} \hat{J} \left[I.^{-} \left(I.^{\frac{1}{2}} \right) \hat{B} \hat{J} \right] - I \left[\left(I.^{\frac{1}{2}} \right) \hat{D} : \hat{E} \right] $ $ \hat{\nabla}_{B} $ $ \hat{\nabla}_{B} $ $ \hat{\nabla}_{B} $ $ \hat{\nabla}_{B} \hat{J} \left[I.^{-} \left(I.^{\frac{1}{2}} \right) \hat{B} \hat{J} \right] - I \left[\left(I.^{\frac{1}{2}} \right) \hat{D} : \hat{E} \right] $
Industries		Direct and indirect requirements for industry output per unit of industry output delivered for final use. R_1 $R_1 = [1.3] (1-\hat{\mu}) * [1.3] R_1 = [1.4] (1-\hat{\mu}) * [1.4] R_2 = [1.4] R_3 = [1.4] R_4 = [1.4] R_$	Direct and indirect requirements for primary inputs per unit of industry output delivered for final use.
Commodities	Direct and indirect requirements for commodities per unit of commodity delivered for final use, R_c . $R_c = [I - (I - \hat{\mu}) BJ]^{-1}$ $Table 4.4$ Indirect competitive import requirements per unit of commodity delivered for final use. $\hat{\mu} BJ [I - (I - \hat{\mu}) BJ]^{-1}$ $Table 4.6$	Direct and indirect requirements for industry output per unit of commodities delivered for final use. Fither: $\int_{0}^{\infty} \left[I_{-}(I_{-}\dot{\mu}) B_{-} I_{-} \right]$ or: $\left[I_{-}J_{-}(I_{-}\dot{\mu}) B_{-} I_{-}J_{-} \right]$	Direct and indirect requirements for primary inputs per unit of commodity delivered for final use.
	Commodities	Vilsubni Singino	sindui Muuri

Market Share Coefficients J and Import Coefficients M (Table 4.1)

In cases where a commodity is produced only in the industry which normally produces it, such as is here the case with agricultural products, primary fish products or construction activity, we find an entry of unity at the intersection of the industry and its principal products. Where a commodity is produced by two or more industries, the market share coefficients tell us the proportion of deliveries originating in each of the producing industries. Thus 15.3% of primary forest products are produced on farm wood lots (i.e., in the agricultural industry), 83.3% in the logging industry proper, and the remaining 1.4% are a secondary product of sawmills (i.e., produced by secondary wood processing industries).

The table also shows us the proportion of total supply available for domestic use originating in each of the four sources of competitive imports. Thus 34.5% of agricultural products available for domestic demand, whether for intermediate or final uses, derives from imports: 2.3% from New Brunswick, 8.4% from Prince Edward Island, and the remaining 23.8% from the rest of Canada or from foreign countries. We may note that the proportion of imported supply is large in case of commodities such as machinery (steel, metal products) (73.7%) and zero for services such as distribution.

Input Coefficients of Industries and Final Expenditure Categories (Table 4.2)

Under the first 12 columns of Table 4.2 we have the matrices $\overset{*}{B}$, $\overset{*}{V}_{B}$ and $\overset{*}{Q}_{B}$. These describe the direct input coefficients of the 12 industries in the economy. The first 12 rows represent inputs of commodities $\overset{*}{B}$; the subsequent rows 14 to 20 are primary inputs classified as indirect taxes and subsidies (rows 14 and 15); noncompetitive imports (row 16); factor incomes (rows 17 to 19) and capital consumption allowances (row 20). This is the matrix $\overset{*}{V}_{B}$. Rows 20 to 26 represent the reclassification or transposition of matrix $\overset{*}{V}_{B}$ to income-outlay basis $\overset{*}{Q}_{B}$. The rows of $\overset{*}{Q}_{B}$ represent capital consumption allowances (row 20); household income (row 21) etc. Total primary inputs (row 27) is thus

equally the sum of rows 14 to 20 or the sum of rows 20 to 26. Factor incomes (row 28) is the sum of rows 17, 18 and 19. The employment coefficient (row 29) represents the number of employees per \$1,000 of gross value of industry output.

It is of some interest to compare the direct input coefficients of an extractive industry such as coal mining with the input coefficients of a secondary manufacturing activity such as food processing. In the mining industry only 27% of the value of output represents intermediate purchases, as compared with the food and textiles industries where 58.4% of the value of output are intermediate costs. The coal mining industry is highly labour intensive. Thus the wage bill in all mining accounts for 51.8% of the value of output, compared with only 19.6% in the case of the food industries. The mining industry employs 107 persons per million dollars of sales compared with 61 in the food and textiles industries.

Under columns 13 to 21 of Table 4.2 we have the matrices $\overset{*}{D}$, $\overset{*}{V}_{D}$ and $\overset{*}{Q}_{D}$ representing the spending patterns of various types of domestic final users. Thus a typical dollar spent on personal consumption would provide 79.2 cents of gross revenue to the industries supplying consumer goods. The remaining 20.8 cents are payments of indirect taxes (12.1%) and purchases of non-competitive imports (8.7%).

The spending patterns of various levels of government are shown in columns 16 to 21. We note that about 65% of the average federal dollar spent on goods and services in Nova Scotia represents payment of wages, salaries or military pay while some 35% represents purchase of various commodities, including services supplied by industries. The spending patterns of provincial public sectors are heavily weighted with construction activity. This reflects the fact that our accounts do not distinguish current from capital purchases for public sectors.

Finally, under columns 23 to 28 we have spending patterns of typical sets of exports, according to destination. Thus we may observe that 37% of export sales to foreign countries consisted of food and textile products, principally fish, while steel and metal products accounted for a further 14.4%. Exports to central Canada, by contrast, contain a high proportion of steel and metal goods.

⁶ The principal product of an industry is the product which is normally produced by this industry. Although the terminology was devised by Richard Stone when he classified products with respect to each of the industries to which they are principal, there is no particular reason to constrain the number of products in such a classification to the number of industries in the system.

Competitive imports can be removed from domestic final purchases of commodities. We may note that one typical dollar of personal consumption has a direct competitive import content of 17.8 cents and only 61.4 cents represents commodities supplied by domestic industries.

Inter-industry Input Coefficients $\overset{*}{JB}$, $\overset{*}{J}$ (I - μ) $\overset{*}{B}$ and the Inter-industry Flow Table $\overset{*}{JB}$ (Tables 4.3C, D and E)

To convert commodity to industry coefficients, \tilde{B} , into inter-industry coefficients, $\tilde{J}\tilde{B}$, we take into account the industrial origin of the commodity input. Thus for example, the column pertaining to the sawmills, pulp and paper industry in the matrix $\tilde{J}\tilde{B}$, shown in Table 4.3C is found as follows:

Inputs from the agricultural industry:

$$(1.0000 \times 0) + (.152722 \times .144423) + (.011484 \times .062509)$$

= 0 + .022056+.000718
= .022774

Inputs from the forestry industry:

Inputs from the sawmills, pulp and paper industry:

```
= (.014281 × .144423) + (.991676 × .096219)
= .0020625 + .0954181
```

= .097481

From B we see that a dollar of output of the sawmills, pulp and paper industry (secondary wood processing) requires an input of .144423 of forestry products. If these inputs are allocated to the industries which produce and supply them in the base year we see that the input of forestry products supplied by the forestry industry is only .120304, the remaining requirements of forest products being supplied by the agricultural industry (.022056) and secondary wood processing industries (.002063). We note that the forestry industry supplies, in addition to forest products, some secondary wood products (.000801) while the agricultural industry supplied some services (.000718).

From the coefficient matrix $\overset{**}{JB}$ we can generate an inter-industry flow matrix $\overset{**}{JBg} = \overset{*}{JB}$ shown in Table 4.3E. If we compare the column in the matrix $\overset{*}{JB}$ for the

secondary wood industries with the corresponding column B, (Table 3.2), we note that total intermediate input of commodities is, of course, the same (\$41.3 million). In the case of the commodity flow matrix B, these inputs are classified by the type of product; in the inter-industry flow matrix JB, they are classified by industry of origin. Entries are identical only for inputs which are produced exclusively by one industry and which, furthermore, produces no other commodities (e.g. construction, transportation, distribution).

If we are concerned with requirements supplied only by domestic industries, i.e., if we wish to "leakout" requirements supplied by competitive imports, we evidently must reduce the commodity requirements of the input matrix B by multiplying each commodity input by the appropriate domestic coefficient $(I - \hat{\mu})$. We then obtain $(I - \hat{\mu})$ B, a matrix of domestically supplied commodity inputs to each of the n industries in the system. In the example used above, Table 4.3D, we would have:

Inputs from the agricultural industry:

```
(.152722 x .992716 x .144423) +
(.011484 x .999402 x .062509)
= .0218953 + .00071737
= .0226127
```

Inputs from the forestry industry:

```
(.832997 x .992716 x .144423) +
(.008324 x .484065 x .096219)
= .1194276 + .0003877
= .119815
```

Inputs from the secondary wood processing industry

```
= (.014281 x .992716 x .144423) +
(.991676 x .484065 x .096219)
= .00204748 + .0461885
= .048236
```

The requirements matrix $\mathring{\mathbf{J}}(\mathbf{I} - \hat{\boldsymbol{\mu}}) \mathring{\mathbf{B}}$, Table 4.3D, i.e., requirements of industrial output supplied by the domestic economy to each of the industries in that economy is basic to the system. Comparison of these so called direct requirements with total requirements, i.e., direct plus indirect requirements, yields one of the most useful results of input-output analysis.

Commodity Input Coefficients \mathring{BJ} and $(I - \hat{\mu}) \mathring{BJ}$ (Tables 4.3A, B)

The basic assumptions of the BJ arrangement do not differ from those of the JB matrix described above. Whereas the B matrix tells us the input of forest products to the wood processing industries, the matrix BJ tells us the input of forest products required to produce secondary wood products. (See Table 4.3A.) Thus, if for example, the wood processing industries produce a secondary product, such as pulpwood chips, the inputs required for these chips are not included in the input requirements of secondary wood products.

Conversely, if some other industry, such as forestry, for example, produces secondary wood products, the requirements of forestry products, if any, would have to be added.

Using the same numerical example, we have

Inputs of agricultural products:

(.001186 x .008324)

= .0000098

= .000010

Inputs of forest products:

 $= (.144423 \times .991676)$ = .143221

Inputs of wood products:

 $= (.000305 \times .008324 + (.096129 \times .991676))$

= .0000025

+ .095418

= .095421

As would be expected, the input coefficient for forest products in the matrix BJ (.143221) is slightly lower than the input of forest products to the wood processing industry in B (.144423) because we assume that .008324 of the output of the wood processing industry consists of products (i.e., primarily wood chips) which are produced with inputs typical of the forestry industry. In our example, these latter require no forest products as intermediates.

Clearly, if we are concerned with requirements of products supplied from domestic sources, i.e. if we wish to "leak out" competitive imports, we must multiply each commodity input by the appropriate domestic coefficient $(I-\hat{\mu})$. We thus obtain $(I-\hat{\mu})$ BJ, (Table 4.3B) a matrix of domestically supplied commodity inputs required for the production of each of the n products in the system. In our example relating to the secondary wood processing industry we would have

Inputs of domestically produced agricultural products:

 $.654650 \times .001186 \times .008324 = .000006$

Inputs of domestically produced forest products

.992716 x .144423 x 991676 = .142178

Inputs of domestically produced secondary wood products

(.484065 x .000305 x .008324) + (.484065 x .096219 x .991676) = .046189

Table 4.3B shows the coefficient matrix $(I - \hat{\mu})$ BJ. These are the direct requirements of domestically produced products per unit of output of product.

Direct and Indirect Requirements of Domestically Produced Commodities per unit Final Delivery $[I - (I - \hat{\mu}) BJ]^{-1}$ (Table 4.4)

Table 4.4 shows direct and indirect requirements of domestically produced commodities per unit final delivery of each of the 12 products. The difference between the coefficients $[I-\mu]$ BJ and those of $[I-(I-\hat{\mu})]$ BJ $[I-\mu]$ represent indirect domestic requirements. Thus, for example, there are direct requirements for transportation services of .051677 per dollar final deliveries of food and textile products. Total transportation requirements, however, are considerably larger (.083106). The difference of .031429 per dollar of final deliveries represents transportation inputs required to produce the agricultural inputs, the fish inputs, etc. into the industry making food and textile products.

⁷ We must bear in mind that the basic assumptions are locked into the definition of $\overset{*}{J}$ and $\overset{*}{B}$.

We have explained the commodity inverse shown in Table 4.4 for Nova Scotia, of dimensions (12×12) , but the reader can, of course, examine for himself the corresponding commodity inverse for the Atlantic Region, which has dimensions of (12×8) . (Table 4.4 in the Appendix to this chapter.)

The so-called "backward linkages" can be expressed in the form of a multiplier. Table 4.5 shows these multipliers. To aid interpretation let us compare direct with total requirements for the case of the food and clothing products. Because "backward linkage" is not very meaningful with respect to inputs of raw materials, we have calculated the linkage multipliers only for manufactures and services.

It is self evident that the indirect requirements associated with the delivery of one million dollars of food and clothing products for final use are determined by two separate sets of factors: (a) those which determine the direct input requirements and (b) the total structure of the economy (including its competitive import leakages). The backward linkage multipliers relating to the inputs of products or industries provide a useful rule of thumb which can tell us, for example, that the total requirements of steel and metal products for the domestic economy will exceed the direct domestic requirements associated with the production of food and clothing by a factor of 2.5.

Indirect Requirements of Competitively Imported Inputs to Commodities per unit final delivery $\hat{\mu} \stackrel{*}{B} \stackrel{*}{J} [I - (I - \hat{\mu}) \stackrel{*}{B} \stackrel{*}{J}]^{-1}$ (Table 4.6)

Table 4.6 complements Table 4.4. The latter shows domestically produced commodity inputs. The former shows competitively imported inputs. Thus, while the production of one million dollars of food products and clothing in Nova Scotia required \$70,247 agricultural products produced in Nova Scotia, it also required \$37,059 imported agricultural products. Total competitive import requirements associated with one million dollars of final delivery of food products and clothing was \$197,253. Table 4.6 illustrates the fact that indirect competitive import content was largest for food and textile products (.197253) followed by construction (.191021) and steel and metal products (.185362) and was smallest for distribution (.024114). It thus appears that some commodities which have a high direct import

content such as food and textile products (.558939) (Table 4.1) and steel and metal products (.737303) also have a high indirect competitive import content. Others, such as transportation, distribution and services have a very low import content, whether calculated as a ratio of imported to total supplies or by taking into account also indirect competitive imports. We may note that final demand for \$1,000 of food and clothing products results in competitive imports of \$197 and primary inputs of \$803 (see row 14 Table 4.9). By combining the information yielded by Table 4.6 with the import coefficients μ of Table 4.1 and the total use of noncompetitive imports (Table 4.9), we can calculate the total import content of a dollar of product delivered for final use. This is done in Table 4.12.

In Table 4.12, column (1) is derived from row (3) and column (5) from row 13 of Table 4.9. The non-competitive import leakage refers to imported commodities only; the total import leakage adds to these commodities estimated remitted and remittable profits and interest. Column (2) is obtained from row 13 of Table 4.6. The domestic content is a residual, i.e., that part of the dollar of final expenditure which did not leak away in the form of imported inputs. Thus domestic content can be calculated in column (4) as unity less column (3) or in column (7) as unity less column (6). In the former case we have contributions to GDP, in the latter case GDP minus that part of profits, interest and rent which does not accrue to the domestic economy. (Domestic content (GDP), in column (4) obtained as unity less column (3), should be equal to the entry in row 16 of Table 4.9.) Column (8) is obtained from row 19 of Table 4.1.

Up to this point in these calculations it has been assumed that one whole dollar of product is delivered by domestic industries to final users. This would be the case for exports. Purchases made in the domestic market may however have a direct import content. Thus, for example, 73.7% of steel and metal products are competitively imported (column (8)). A typical dollar spent on these products in the domestic market, normally directs only 26.3 cents toward domestic industries; this 26.3 cents, furthermore has an import content of .399 (column (6)). The total import content of a typical dollar spent on this product is therefore .737 plus .399 x .263, i.e. .842 (column (10)). The domestic content is correspondingly .158.

TABLE 4.1. Market Share Coefficients and Import Coefficients Nova Scotia 1965, Model I

* * J, Μ, μ

ı		Agricultural products	Forestry products	Primary fish	Mining products
No.		1	2	3	4
2 Fore. 3 Prim. 4 Minii 5 Food 6 Sawr 7 Iron, 8 Non- 9 Cons 10 Tran: 11 Distr 12 All o	iculture estry ary fishing ing products d, textiles mills, pulp and paper , steel, metals, machinery -metals, petroleum, chemicals struction isportation, communications ribution other services	1.000000	0.152722 0.832997 	1.000000 	1.000006
Impo 14 Nov 15 Nev 16 Prin 17 Nev	otal output orts: va Scotia w Brunswick nce Edward Island wfoundland sidual	0.023086 0.083533 0.000989 0.237742	0.002410 - - 0.004874	0.001678 0.004384 0.118476	0.004180 - 0.162193
19 To	otal imports	0.345350	0.007284	0.124538	0.16637

TABLE 4.2. Input Coefficients of Industries and Final Expenditures
Nova Scotia 1965, Model I

 $\overset{*}{\mathbf{B}},\overset{*}{\mathbf{D}},\overset{*}{\mathbf{E}}, \overset{*}{\mathbf{V}_{\mathbf{B}}}\overset{*}{\mathbf{V}_{\mathbf{D}}}\overset{*}{\mathbf{V}_{\mathbf{E}}}$

		Agriculture	Forestry	Primary fishing	Mining
No.		1	2	3	4
1 2 3 4 5 6 7 8 9 10 11 12	Agricultural products Forestry products Primary fish Mining products Food, textiles Wood, paper products Steel, metal products Non-metals, petroleum, chemicals Construction Transportation, communications Distribution All other services	0.004900 0.010617 	0.001186 - 0.000743 0.000305 0.029517 0.018089 0.012747 0.029971 0.009976 0.023215	0.002953 0.052678 0.052678 0.024387 0.091773 0.064730 0.004616 0.043296 0.020467 0.049577	0.012150 0.001285 0.001288 0.026006 0.103428 0.009969 0.014762 0.029199 0.008412 0.064505
13	Total intermediate input	0.482720	0.125748	0.354476	0.269719
14 15 16 17 18 19 20 21 22 23 24 25 26	Taxes Subsidies Non-competitive imports Wages and salaries Unincorporated business income Profit, rent, interest Depreciation Household income Education and hospitalization Provincial revenue Municipal revenue Federal revenue Import leakage	0.037051 - 0.038191 0.004820 0.101207 0.317952 0.014059 0.080384 0.432631 - 0.000603 0.036151 - 0.036103 0.004820	0.049928 0.001241 0.310436 0.285125 0.130331 0.097190 0.711904 	0.027546 - 0.004115 0.006021 0.225804 0.278839 0.047361 0.064068 0.548380 - 0.027737 0.000401 - 0.001084	0.022366
27	Total primary inputs	0.517280	0.874252	0.006021 0.645524	0.058928 0.730282
28 29 30	Factor incomes Gross Domestic Product Employment	0.433217 0.512460 0.172721	0.725892 0.873010 0.121924	0.552003 0.639503 0.190679	0.638346 0.715898 0.107490
31	Total output	1.000000	1.000000	1.000000	1.000000

TABLE 4.1. Market Share Coefficients and Import Coefficients Nova Scotia 1965, Model I

*, *, μ

Food, textiles	Wood, paper products	Steel, metal products	Non-metals, petroleum, chemicals	Con- struction	Transportation, communications	Distri- bution	All other services	
5	6	7	8	9	10	11	12	No.
						I		
1.000000	0.008324 - - 0.991676 - - - - -	1.000000	0.005389 0.994611	1.000000	1.000000	1.000000	0.011484 	1 2 3 4 5 6 7 8 9 10 11 12
1.000000	1.000000	1.000000	1,000000	1.000000	1.000000	1.000000	1.000000	13
0.067807 0.026378 0.001289 0.463465	0.029251 0.001637 0.485047	0.019877 0.000359 - 0.717067	0.033808 0.001519 0.009799 0.221375	- - - - -	0.016729	- - - -	0.000598	14 15 16 17 18
0.558939	0.515935	0.737303	0.266500	`-	0.016729	_	0.000598	19

TABLE 4.2. Input Coefficients of Industries and Final Expenditures Nova Scotia 1965, Model I

 $\overset{*}{B},\overset{*}{D},\overset{*}{E}, \quad \overset{*}{V}_{B}\overset{*}{V}_{D}\overset{*}{V}_{E}$

Food, textiles	Sawmills, pulp and paper, printing	Iron, steel, metals, machinery	Non-metals, petroleum, chemicals	Con- struction	Transportation, communications	Distri- bution	All other services	
5	6	7	8	9	10	11	12	No
0.102611 0.000038	0.144423	0.000023	0.000003	0.000324		0.000018		
0.227693 0.001062 0.068415	0.000059 0.003581 0.096219	0.035560 0.000111 0.009035	0.010183 0.000214 0.004222	0.022638 0.001279 0.091644	0.000130 0.000320 0.002587	0.001408 0.003401	0.018561 0.000552 0.022690	
0.039838 0.021024 0.008494	0.034421 0.022283	0.190243 0.030444 0.021908	0.015638 0.017914 0.011702	0.122596 0.087672 0.000823	0.028991 0.046927 0.022141	0.011128 0.004415 0.003035	0.005933 0.010399 0.043009	
0.006186 0.052556 0.021445	0.004514 0.075064 0.028423	0.094046 0.035938 0.025436	0.028276 0.011183 0.038339	0.088590 0.053340 0.067871	0.079743 0.019398 0.149060	0.093680 0.004691 0.094428	0.045865 0.004174 0.062206	1
0.035085 0.584406	0.062509 0.471495	0.442731	0.137673	0.536776	0.349296	0.216206	0.213387	
0.010997	0.011957	0.012607	0.004771	0.009225	0.048247	0.013843	0.122905 - 0.009860	
0.093657	0.049293 0.282550	- 0.005552 0.132398 0.326737	0.603047 0.079690	0.041330 0.330880	0.006946 0.404848	0.013660 0.408154	0.060633 0.221453 0.092411	
0.195880 0.013710 0.080057	0.047671 0.110340	0.002954 0.059455 0.028682	0.001020 0.134405 0.039403	0.031207 0.035369 0.015213	0.039033 0.045615 0.137307	0.085877 0.202791 0.059468	0.199091 0.099981	Ì
0.021307 0.254097	0.026698 0.359295	0.339670	0.098871	0.380172	0.448238	0.612655	0.442076	
0.007216 0.006617	0.006455 0.010152	0.003672 0.010822	0.007469 0.001807 0.028946	0.001222 0.004408 0.010006	0.007034	0.009447	0.089323 0.015852	
0.017145 0.109226	0.023935 0.101973	0.007535 0.166899	0.685839	0.052204	0.027098	0.056522 0.783794	0.103509	
0.415604	0.528509	0.557276	0.862332	0,463224	0.650705	0.703794		}
0.289647	0.440561	0.389144	0.215114	0.397455 0.421894	0.489495 0.643759	0.696823	0.512955 0.725981	
0.321950 0.060783	0.479216 0.071034	0.064835	0.014819	0.081917	1.000000	0.152697	0.087330 1.000000	
1.000000	1.000000	1.000000	1.000000	1.000000	1.000000			

TABLE 4.2. Input Coefficients of Industries and Final Expenditures — Concluded Nova Scotia 1965, Model I

 $\overset{*}{B},\overset{*}{D},\overset{*}{E},\overset{*}{V_B}\overset{*}{V_D}\overset{*}{V_E}$

decommenda		Personal consumption	Capital formation	Inventory change	Federal government defence	Federal government civil	Provincial government
No.		13	14	15	16	17	18
1 2 3 4 5 6 7 8 9 10 11 12	Agricultural products Forestry products Primary fish Mining products Food, textiles Wood, paper products Steel, metal products Non-metals, petroleum, chemicals Construction Transportation, communications Distribution All other services Total intermediate input Taxes Subsidies	0.046732 0.000183 0.001665 0.006334 0.191454 0.014350 0.048586 0.036052 0.052250 0.127201 0.267667 0.792472	0.423881 	- 0.105033 0.030767 0.623940 0.062299 0.045323 0.114073 0.228633 	0.015101 0.007687 0.004943 0.152898 0.012236 0.075388 0.013856 0.020825 0.0336568	0.000943 0.000029 0.000983 0.003545 0.002939 0.040079 0.004763 0.248438 0.024291 0.011057 0.013405 0.350474	0.000180
16 17	Non-competitive imports Wages and salaries	0.086947	_	_	0.010852 0.652580	0.005808 0.643718	0.014812
18 19	Unincorporated business income Profit, rent, interest	-	-		-	_	0.193162
20 21 22 23 24 25 26	Depreciation Household income Education and hospitalization Provincial revenue Municipal revenue Federal revenue Import leakage	0.008370 0.048705 0.003182 0.060324 0.086947	-		0.652580 - - - - 0.010852	0.643718 - - - - 0.005808	0.288613
27	Total primary inputs	0.207528	-	-	0.663432	0.649526	0.419973
28 29 30	Factor incomes Gross Domestic Product Employment	0.120581			0.652580 0.652580 0.107846	0.643718 0.643718 0.122518	0.405161 0.405161 0.047679
31	Total output	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

TABLE 4.3A. Coefficient Matrix of Commodity Requirements for Commodities without Import Leakage Nova Scotia 1965, Model I

** BJ

		Agricultural products	Forestry products	Primary fish	Mining products
No.		1	2	3	4
1	Agricultural products	0.004900	0.001736	_	_
2	Forestry products	0.010617	0.003684		0.012150
3	Primary fish	_	_	_	-
4	Mining products	0.007487	0.001144	0.002953	0.001288
5	Food, textiles	0.184100	0.028786	0.052678	_
6	Wood, paper products	0.002956	0.002080	0.024387	0.026006
7	Steel, metal products	0.016324	0.027572	0.091773	0.103428
8	Non-metals, petroleum, chemicals	0.066245	0.025503	0.064730	0.009969
9	Construction	0.028760	0.015075	0.004616	0.014762
10	Transportation, communications	0.026366	0.030065	0.043296	0.029199
11	Distribution	0.023458	0.012298	0.020467	0.008412
12	All other services	0.111506	0.037261	0.049577	0.064505
13	Total	0.482720	0.185203	0.354476	0.269719

TABLE 4.2. Input Coefficients of Industries and Final Expenditures — Concluded Nova Scotia 1965, Model I

						, п, п,	2					
			Total			Exp	orts			Total		
Municipal government	Education	Hospitals	domestic demand	Foreign	Canada	New Brunswick	Prince Edward Island	New- foundland	Total	intermediate demand	Total demand	
19	20	21	22	23	24	25	26	27	28	29	30	No.
0.000804 0.001190 0.020589 0.005630 0.008204 0.021812 0.013833 0.251287 0.109381 0.016085 0.097896	0.000413 0.031363 0.020051 0.009553 0.156599 0.044564 0.018564 0.018564	0.004386 	0.027326 0.000212 0.000975 0.007170 0.114603 0.012705 0.096071 0.024286 0.125758 0.043127 0.080614 0.168395	0.025177 0.041059 0.079369 0.372893 0.264941 0.143734 0.007122 0.022110 0.043597	0.010573 0.004052 0.137143 0.270440 0.052156 0.423951 0.001546 0.113679 0.051155 0.014882	0.033588 0.181901 0.103033 0.179736 0.038463 0.361538 0.062018	0.000977 	0.064377 - 0.066437 0.269202 0.092535 0.109223 0.398226	0.020535 0.016806 0.014488 0.106051 0.296397 0.131174 0.287500 0.053474 	0.012000 0.007561 0.026138 0.011774 0.016060 0.030244 0.052869 0.030608 0.018170 0.065071 0.065071	0.019548 0.005198 0.013968 0.018632 0.085836 0.032037 0.093988 0.029981 0.063797 0.055018 0.048771 0.107485	1 2 3 4 5 6 7 8 9 10 11 12
0.546712	0.310322	0.387561	0.701240	1.000000	1.079575	1.000000	1.000000	1.000000	1.036973	0.360680	0.574256	13
0.032171 0.324443 0.096673 0.370930 	0.033654 0.584634 0.071390 0.617593 	0.088955 0.491205 0.032278 0.498582 	0.070627 		- 0.079575			-	- 0.036973 	0.042891 -0.007802 0.078423 0.288242 0.065363 0.109358 0.062850 0.409626 -0.018561 0.026675 0.011755 0.109858	0.051054 -0.007118 0.062191 0.201550 0.030443 0.058354 0.029273 0.261114 0.002157 0.013244 0.017538 0.081223	14 15 16 17 18 19 20 21 22 23 24 25 26
0.453288	0.689678	0.612439	0.298762	_	- 0.079575	_	_	_	- 0.036973	0.639323	0.425746	27
0.421117 0.421117 0.073350 1.000000	0.656024 0.656024 0.119417 1.000000	0.523484 0.523484 0.187243 1.000000	0.169807 0.240435 0.032171 1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	0.091552	0.290347 0.363555 0.056797 1.000000	28 29 30 31

TABLE 4.3A. Coefficient Matrix of Commodity Requirements for Commodities without Import Leakage Nova Scotia 1965, Model I

* * BJ

								-
Food, textiles	Wood, paper products	Steel, metal products	Non-metals, petroleum, chemicals	Con- struction	Transpor- tation, communi- cations	Distri- bution	All other services	
5	6	7	8	9	10	11	12	No.
0.102611 0.000038	0.000010 0.143221	0.000023	0.000003	0.000324	_	0.000018	0.000056 0.000122	2
0.227693 0.001062 0.068415 0.039838 0.021024 0.008494 0.006186 0.052556	0.000059 0.003558 0.095421 0.034380 0.022248 0.004582 0.074689	0.035560 0.000111 0.009035 0.190243 0.030444 0.021908 0.094046	0.010319 0.000214 0.004248 0.016578 0.017982 0.011757 0.028630 0.011317	0.022638 0.001279 0.091644 0.122596 0.087672 0.000823 0.088590 0.053340	0.000130 0.000320 0.002587 0.028991 0.046927 0.022141 0.079743 0.019398	0.001408 0.003401 0.011128 0.004415 0.003035 0.093680 0.004691	0.018434 0.002660 0.022463 0.006053 0.011040 0.042845 0.045641	4 5 6 7 8 9 10
0.021445 0.035085 0.584447	0.028269 0.062182 0.46861 8	0.035938 0.025436 0.442744	0.038270	0.067871 0.536777	0.149060	0.094428	0.062772 0.216481	12

TABLE 4.3B. Coefficient Matrix of Commodity Requirements for Commodities with Import Leakage Nova Scotia 1965, Model I

 $(\mathbf{I} - \hat{\mu}) \overset{**}{\mathbf{BJ}}$

	Agricultural products	Forestry products	Primary fish	Mining products
No.	1	2	3	4
1 Agricultural products 2 Forestry products 3 Primary fish 4 Mining products 5 Food, textiles 6 Wood, paper products 7 Steel, metal products 8 Non-metals, petroleum, chemicals 9 Construction 10 Transportation, communications 11 Distribution 12 All other services 13 Total output	0.003208 0.010540 0.006242 0.081200 0.001431 0.004288 0.048590 0.028760 0.025925 0.023458 0.111439	0.001137 0.003657 	0.002461 0.033234 0.011805 0.024109 0.047480 0.004616 0.042572 0.020467 0.049547	0.012061 0.001074 0.012589 0.027170 0.007312 0.014762 0.028710 0.008412 0.064467 0.176557

TABLE 4.3C. Coefficient Matrix of Industry Requirements for Industry Outputs without Import Leakage
Nova Scotia 1965, Model I

** JB

	Agri- culture	Forestry products	Primary fishing	Mining products	
No.	1	2	3	4	
1 Agriculture 2 Forestry 3 Primary fishing 4 Mining 5 Food, textiles 6 Sawmills, pulp and paper 7 Iron, steel, metals, machinery 8 Non-metals, petroleum, chemicals 9 Construction 10 Transportation, communications 11 Distribution 12 All other services 13 Total output	0.007487 0.184100 0.003083 0.016681 0.065888 0.028760	0.001453 0.000003 - - 0.000743 0.000302 0.029614 0.017792 0.012747 0.029971 0.009976 0.022949	0.000569 0.000203 	0.002596 0.010337 	

TABLE 4.3 D. Coefficient Matrix of Industry Requirements for Industry Outputs with Import Leakage Nova Scotia 1965, Model I

 $\mathring{\mathbf{J}}(\mathbf{I} - \hat{\mu}) \mathring{\mathbf{B}}$

	Agri- culture	Forestry products	Primary fishing	Mining products
No.	1	2	3	4
1 Agriculture 2 Forestry 3 Primary fishing 4 Mining 5 Food, textiles 6 Sawmills, pulp and paper 7 Iron, steel, metals, machinery 8 Non-metals, petroleum, chemicals 9 Construction 10 Transportation, communications 11 Distribution 12 All other services 13 Total output	0.006097 0.008792 	0.001043 0.000001 	0.000569 0.000098 - 0.002461 0.023234 0.011706 0.024364 0.047224 0.004616 0.042572 0.020467 0.048978	0.00258 0.01015 0.00107 - 0.01265 0.02721 0.00727 0.01476 0.02871 0.00841 0.06372

TABLE 4.3B. Coefficient Matrix of Commodity Requirements for Commodities with Import Leakage Nova Scotia 1965, Model I

 $(1 \hat{\mu}) \stackrel{**}{BJ}$

	() []									
Food, textiles	Wood, paper products	Steel, metal products	Non-metals, petroleum, chemicals	Con- struction	Transportation, communications	Distri- bution	All other services			
5	6	7	8	9	10	11	12	No.		
0.067174 0.000038 0.199337 0.000885 0.030175 0.019284 0.005523 0.006230 0.006186 0.051677 0.021445 0.035064	0.000006 0.142178 	0.000023 0.029643 0.000049 0.004373 0.049977 0.022331 0.021908 0.092473 0.035938 0.025421	0.000003 0.008603 0.000094 0.002056 0.004355 0.013189 0.011757 0.028151 0.011317 0.038247	0.000212 		0.000012 	0.062734			
0.443018	0.383778	0.282136	0.117773	0.369623	0.312457	0.202652	0.192111	13		

TABLE 4.3 C. Coefficient Matrix of Industry Requirements for Industry Outputs without Import Leakage Nova Scotia 1965, Model I

** JB

Food, textiles	Sawmills, pulp and paper, printing	Iron, steel, metals, machinery	Non-metals, petroleum, chemicals	Con- struction	Transportation, communications	Distri- bution	All other services	ſ
5	6	7	8	9	10	11	12	No.
0.103020 0.000363 0.227693 0.001062 0.068415 0.039507 0.021070 0.006186 0.052556 0.021445 0.034682	0.022774 0.121105 0.000059 0.003581 0.097481 0.022163 0.004514 0.075064 0.028423 0.061791 0.471496	0.000296 0.000094 0.035560 0.000111 0.008960 0.190407 0.030280 0.021908 0.094046 0.035938 0.025144	0.000441 0.000038 	0.001104 0.000763 	0.001712 0.000022 	0.001103 0.000028 0.001408 0.003373 0.011152 0.004392 0.003035 0.093680 0.004691 0.093343	0.000714 0.000189 	1 2 3 4 5 6 7 8 9 10 11 12

TABLE 4.3D. Coefficient Matrix of Industry Requirements for Industry Outputs with Import Leakage Nova Scotia 1965, Model I

 $\mathring{\mathbf{J}} (\mathbf{I} - \hat{\mu}) \mathring{\mathbf{B}}$

Food, textiles	Sawmills, pulp and paper, printing	Iron,steel, metals, machinery	Non-metals, petroleum, chemicals	Con- struction	Transportation, communications	Distri- bution	All other services	
5	6	7	8	9	10	11	12	No
0.067583 0.000192 0.199337 0.000885 0.03175 0.019124 0.005557 0.006197 0.006186 0.051677 0.021445 0.034662	0.022613 0.119815 0.000050 0.001580 0.048236 0.009130 0.016226 0.004514 0.073808 0.028423 0.061754	0.000295 0.000055 	0.000441 0.000020 	0.000991 0.000369 0.018872 0.000564 0.043992 0.032552 0.063961 0.000823 0.087108 0.053340 0.067051	0.001711 0.000010 	0.001096 0.000014 	0.000714 0.00091 	6 7 8 9 10 11 12

TABLE 4.3E. Inter-industry Flow Matrix Nova Scotia 1965, Model I

*B

		Agri- culture	Forestry	Primary fishing	Mining		
No.		1	2	3	4		
		thousands of dollars					
1	Agriculture	485.6	26.2	28.4	179.4		
2	Forestry	552.0	_	10.1	714.3		
3	Primary fishing	-	-	, anna	-		
4	Mining	466.0		147.1	89.0		
5	Food, textiles	11,458.2	13.4	2,624.5	_		
6	Sawmills, pulp and paper	191.9	5.5	1,204.9	1,793.9		
7	Iron, steel, metals, machinery	1,038.2	534.4	4,589.7	7,150.1		
8	Non-metals, petroleum, chemicals	4,100.8	324.6	3,207.6	685.1		
9	Construction	1,790.0	230.0	230.0	1,020.0		
10	Transportation, communications	1,641.0	540.8	2,157.1	2,017.5		
11	Distribution	1,460.0	180.0	1,019.7	581.2		
12	All other services	6,860.3	414.1	2,441.6	4,405.8		
13	Total	30,044.0	2,269.0	17,660.7	18,636.3		

TABLE 4.4. Direct and Indirect Requirements for Commodities Per Unit of Commodity Output for Final Use
Nova Scotia 1965, Model I

 $R_c = INV (I - (I - \hat{\mu}) \overset{**}{B}\overset{*}{J})$

		Agricultural products	Forestry products	Primary fish	Mining products
No.		1	2	3	4
1	Agricultural products	1.008992	0.002060	0.001651	0.000047
2	Forestry products	0.011855	1.004166	0.002184	0.014359
3	Primary fish	0.017000	0.002687	1.004861	0.000069
4	Mining products	0.010087	0.002618	0.005085	1.003739
5	Food, textiles	0.085281	0.013480	0.024388	0.000346
6	Wood, paper products	0.007275	0.003049	0.014678	0.015396
7	Steel, metal products	0.008233	0.009127	0.027241	0.030240
8	Non-metallic, petroleum, chemicals	0.057199	0.022771	0.053005	0.012219
9	Construction	0.038201	0.019002	0.010724	0.020432
10	Transportation, communications	0.051442	0.040956	0.060615	0.043559
11	Distribution	0.031032	0.015544	0.025373	0.012643
12	All other services	0.142326	0.051796	0.071505	0.081646
13	Total output	1.468917	1.187249	1.301305	1.234692

TABLE 4.3 E. Inter-industry Flow Matrix Nova Scotia 1965, Model I

*B

Food, textiles	Sawmills, pulp and paper, printing	Iron, steel, metals, machinery	Non-metals, petroleum, chemicals	Con- struction	Transportation, communications	Distri- bution	All other services	Total	
5	6	7	8	9	10	11	12	13	No.
	1		tho	usands of dollars					1
22,133.5	1,992.9	53.2	41.1	282.9	372.8	216.1	304.8	26,116.9	1
78.1	10,597.6	17.0	3.5	195.5	4.7	5.5	80.6	12,258.9	2
48,919.0	_		_	- 1	-	- 1	- 1	48,919.0	3
228.1	5.2	6,400.0	949.6	5,803.4	28.3	-	7,920.0	22,036.7	1 4
14,698.7	313.4	20.0	20.0	328.0	69.7	276.0	235.5	30,057.4	5
8,487.8	8,530.3	1,612.6	390.4	23,297.9	558.6	661.1	9,600.9	56,335.8	6
4,526.8	3,022.6	34,269.1	1,467.3	31,549.2	6,368.3	2,185.6	2,555.6	99,256.7	7
1,815.1	1,939.4	5,449.8	1,661.6	22,354.2	10,164.0	860.6	4,413.1	56,975.8	8
1,329.0	395.0	3,943.0	1,091.3	211.0	4,821.5	594.7	18,351.6	34,007.1	9
11,291.4	6,568.7	16,926.2	2,636.9	22,710.5	17,365.2	18,359.2	19,570.1	121,784.4	10
4,607.4	2,487.2	6,468.1	1,042.9	13,674.0	4,224.3	919.4	1,780.8	38,445.0	11
7,451.4	5,407.2	4,525.4	3,534.3	17,199.2	32,087.2	18,293.2	26,237.9	128,857.4	12
125,566.0	41,259.4	79,684.3	12,839.0	137,605.4	76,064.5	42,371.4	91,050.8	675,050.5	13

TABLE 4.4. Direct and Indirect Requirements for Commodities Per Unit of Commodity Output for Final Use Nova Scotia 1965, Model I

 $R_c = INV (I - (I - \hat{\mu}) BJ)$

Food, textiles	Wood, paper products	Steel, metal products	Non-metals, petroleum, chemicals	Con- struction	Transportation, communications	Distri- bution	All other services	
5	6	7	8	9	10	11	12	No.
0.070247	0.000447	0.000026	0.000020	0.000295	0.000045	0.000076	0.000150	1
0.004512	0.149997	0.001517	0.000663	0.007301	0,000835	0.000594	0.002496	2
0.207752	0.000775	0.000045	0.000040	0.000197	0.000089	0.000167	0.000286	3
0.004031	0.002601	0.033064	0.010010	0.022494	0.004248	0.002293	0.017878	4
1.042214	0.003888	0.000224	0.000201	0.000987	0.000447	0.000839	0.001433	5
0.025723	1.050799	0.007607	0.003724	0.049136	0.005328	0.003858	0.015040	6
0.013590	0.012937	1.055953	0.005938	0.037081	0.010727	0.004706	0.004738	7
0.025561	0.025982	0.030962	1.016427	0.073026	0.042595	0.009025	0.014793	8
0.015630	0.014297	0.029313	0.015333	1.010565	0.033194	0.010926	0.048543	9
0.083106	0.100688	0.118510	0.037599	0.117686	1.102631	0.108897	0.061205	10
0.032794	0.035755	0.043137	0.013755	0.060802	0.025158	1.008386	0.009571	11
0.079541	0.098100	0.058057	0.051083	0.107125	0.182924	0.120614	1.084283	12
1.604697	1.496264	1.378411	1.154791	1.486693	1.408220	1.270380	1.260416	13

These import content coefficients are obviously useful in indicating the magnitude of the feedback of expenditures made in the Atlantic Provinces to other parts of Canada, or indeed the leakage in the form of foreign import content. The most useful single result here is probably the import coefficient of roughly one-third relating to construction activity. Needless to say, it is possible using the same method to calculate the import content of various types of construction activity, given data on the direct inputs to such activities.

Direct and Indirect Requirements for Output of Domestic Industries per Unit Final Delivery of Industry Output $[I - \mathring{J} (I - \hat{\mu}) \mathring{B}]^{-1}$ (Table 4.7)

Table 4.7 shows direct and indirect requirements for the output of domestic industries per unit final delivery of each type of industry output. The table may be called the inter-industry inverse.

The figures do not differ greatly from those of Table 4.4 and their interpretation is similar. Comparisons with direct coefficients $\mathring{J}(I-\hat{\mu})\mathring{B}$ (Table 4.3D) yield a set of backward linkage multipliers whose interpretation is similar to that already discussed above.

Direct and Indirect Requirements for Industry Output per Unit Commodity Delivered for Final Use $\ddot{J}[I - (I - \hat{\mu}) \ddot{B}\ddot{J}]^{-1}$ or $[I - \ddot{J} (I - \hat{\mu}) \ddot{B}]^{-1} \ddot{J}$ (Table 4.8B)

Table 4.8B shows the transformation from final delivery of products to direct and indirect requirements from industries. The table may be defined from the "commodity inverse" as $J \prod_{i=1}^{n} I - (I - \hat{\mu}) B J \prod_{i=1}^{n-1} I$ or from the "industry inverse" as $[I - \hat{J} (I - \hat{\mu}) B]^{-1} J$.

The transformation is important because final demand is normally available in terms of demand for

TABLE 4.5. Requirements of Domestically Produced Commodity Inputs for Final Delivery of One Million Dollars of Food and Clothing

	Direct require- ments Table 4.3 B	Indirect require- ments (3) - (1)	Total require- ments Table 4.4	Backward linkage multipliers (3) ÷(1)
	1	2	3	4
		do	llars	
Agricultural products	67,174	3,073	70,247	_
Forestry products	38	4,474	4,512	_
Primary fish	199,337	8,415	207,752	man
Mining products	885	3,146	4,031	-
Food, textile products	30,175	12,039	42,214	_
Wood and paper products	19,284	6,439	25,723	1.383894
Steel and metal products	5,523	8,067	13,590	2.460541
Non-metal and petroleum products	6,230	19,331	25,561	4.102674
Construction activity	6,186	9,444	15,630	2.526809
Transportation, communications	51,677	31,429	83,106	1.608195
Distribution services	21,445	11,349	32,794	1.529197
All other services	35,064	44,477	79,541	2.268433
Totals	443,018	161,679	604,697	1.364949

TABLE 4.6. Competitive Imported Input Requirements Per Unit Commodity delivered for Final Use Nova Scotia 1965, Model I

 $\hat{\mu}_{\mathbf{B}}^{**}$ [I - (I - $\hat{\mu}$) $\hat{\mathbf{B}}_{\mathbf{J}}^{*}$] -1

		Agricultural products	Forestry products	Primary fish	Mining products	Food, textiles	Wood, paper products
No.		1	2	3	4	5	6
1	Agricultural products	0.004745	0.001087	0.000871	0.000025	0.037059	0.000236
2	Forestry products	0.000087	0.000030	0.000016	0.000105	0.000033	0.001101
3	Primary fish	0.002418	0.000382	0.000692	0.000010	0.029554	0.000110
4	Mining products	0.002013	0.000522	0.001015	0.000746	0.000805	0.000519
5	Food, textiles	0.108072	0.017083	0.030906	0.000439	0.053497	0.004927
6	Wood, paper products	0.007755	0.003250	0.015645	0.016410	0.027417	0.054146
7	Steel, metal products	0.023107	0.025616	0.076456	0.084873	0.038142	0.036310
8	Non-metals, petroleum, chemicals	0.020782	0.008273	0.019258	0.004439	0.009287	0.009440
9	Construction	0.000000	- 0.000000	- 0.000000	0.000000	- 0.000000	0.000000
10	Transportation, communications	0.000875	0.000697	0.001031	0.000741	0.001414	0.001713
11	Distribution	0.000000	0.000000	- 0.0000000	0.000000	0.000000	- 0.000000
12	All other services	0.000085	0.000031	0.000043	0.000049	0.000048	0.000059
13	Total output	0.169939	0.056971	0.145933	0.107837	0.197253	0.108560
		Canal	Non-metals,			Di Ai	
		Steel, metal products	petroleum, chemicals	Con- struction	Transportation, communications	Distri- bution	All other services
		metal	petroleum,		Transportation, communications		
	· ·	metal products	petroleum, chemicals	struction	communications	bution	services
1	Agricultural products	metal products	petroleum, chemicals	struction	communications	bution	services
1 2	Agricultural products	metal products 7 0.000014	petroleum, chemicals	struction 9	10	bution 11	services 12
		metal products 7 0.000014	petroleum, chemicals 8 0.000010	9 0.000156	0.000024	0.000040	12 0.000079
2	Forestry products	metal products 7 0.000014 0.000001 0.000006	8 0.000010 0.000005	9 0.000156 0.000054	0.000024	0.000040 0.000004	0.000079 0.000018
2	Forestry products	metal products 7 0.000014 0.000011 0.000006 0.006599	8 0.000010 0.000005 0.000006	9 0.000156 0.000054 0.000028	0.000024 0.000006 0.000013	0.000040 0.000004 0.000024	0.000079 0.000018 0.000041
2 3 4	Forestry products Primary fish Mining products Food, textiles	metal products 7 0.000014 0.000011 0.000006 0.006599 0.000284	0.000010 0.000005 0.000006	9 0.000156 0.000054 0.000028 0.004489	0.000024 0.000006 0.000013	0.000040 0.000004 0.000024 0.000458	0.000079 0.000018 0.000041 0.003568
2 3 4 5	Forestry products Primary fish Mining products Food, textiles Wood, paper products	metal products 7 0.000014 0.000011 0.00006 0.006599 0.000284 0.008108	0.000010 0.000005 0.001998 0.000255	9 0.000156 0.000054 0.000028 0.004489 0.001251	0.000024 0.000006 0.000013 0.000848 0.000567	0.000040 0.000004 0.000024 0.000458 0.001064	0.000079 0.000018 0.000041 0.003568 0.001816
2 3 4 5	Forestry products Primary fish Mining products Food, textiles Wood, paper products Steel, metal products	metal products 7 0.000014 0.000011 0.000006 0.006599 0.000284 0.008108 0.157040	0.000010 0.000005 0.000006 0.001998 0.000255 0.003970	9 0.000156 0.000054 0.000028 0.004489 0.001251 0.052372	0.000024 0.000006 0.000013 0.000848 0.000567	0.000040 0.000024 0.000048 0.001064 0.004112	0.000079 0.000018 0.000041 0.003568 0.001816 0.016031
2 3 4 5 6	Forestry products Primary fish Mining products Food, textiles Wood, paper products Steel, metal products Non-metals, petroleum, chemicals	metal products 7 0.000014 0.000011 0.000006 0.006599 0.000284 0.008108 0.157040 0.011249	0.000010 0.000005 0.000006 0.001998 0.000255 0.003970 0.016665	struction 9 0.000156 0.000054 0.000028 0.004489 0.001251 0.052372 0.104072	0.000024 0.000006 0.000013 0.000848 0.000567 0.005679 0.030107	0.000040 0.000024 0.0000458 0.001064 0.004112 0.013208	0.000079 0.000018 0.000041 0.003568 0.001816 0.016031 0.013297
2 3 4 5 6 7 8	Forestry products Primary fish Mining products Food, textiles Wood, paper products Steel, metal products Non-metals, petroleum, chemicals Construction	metal products 7 0.000014 0.000011 0.000006 0.006599 0.000284 0.008108 0.157040 0.011249 0.000000	0.00096 0.003970 0.016665 0.005969	struction 9 0.000156 0.000054 0.000028 0.004489 0.001251 0.052372 0.104072 0.026532	0.000024 0.000006 0.000013 0.000848 0.000567 0.005679 0.030107 0.015476	0.000040 0.000004 0.000024 0.0000458 0.001064 0.004112 0.013208 0.003279	0.000079 0.000018 0.000041 0.003568 0.001816 0.016031 0.013297 0.005375 0.000000
2 3 4 5 6 7 8 9	Forestry products Primary fish Mining products Food, textiles Wood, paper products Steel, metal products Non-metals, petroleum, chemicals Construction Transportation, communications	metal products 7 0.000014 0.000011 0.000006 0.006599 0.000284 0.008108 0.157040 0.011249 0.000000 0.002016	0.000000 0.000255 0.003970 0.005969 - 0.000000	struction 9 0.000156 0.000054 0.000028 0.004489 0.001251 0.052372 0.104072 0.026532 0.000001	0.000024 0.000006 0.000013 0.000848 0.000567 0.005679 0.030107 0.015476 - 0.000000	0.000040 0.000040 0.000024 0.000024 0.001064 0.004112 0.013208 0.003279 0.000000	0.000079 0.000018 0.003568 0.016031 0.013297 0.005375 0.000000 0.001041
2 3 4 5 6 7 8 9 10	Forestry products Primary fish Mining products Food, textiles Wood, paper products Steel, metal products Non-metals, petroleum, chemicals Construction Transportation, communications Distribution	metal products 7 0.000014 0.000011 0.000006 0.006599 0.000284 0.008108 0.157040 0.011249 0.000000 0.002016 0.002016	0.000010 0.000005 0.000006 0.001998 0.000255 0.003970 0.016665 0.005969 - 0.000000 0.000640	struction 9 0.000156 0.000054 0.000028 0.001251 0.052372 0.104072 0.026532 0.000001 0.002002	0.000024 0.000006 0.000013 0.000848 0.000567 0.005679 0.030107 0.015476 - 0.000000	0.000040 0.000040 0.000024 0.000024 0.001064 0.004112 0.013208 0.003279 0.000000 0.001853	0.000079 0.000018 0.003568 0.016031 0.013297 0.005375 0.000000 0.001041
2 3 4 5 6 7 8 9	Forestry products Primary fish Mining products Food, textiles Wood, paper products Steel, metal products Non-metals, petroleum, chemicals Construction Transportation, communications Distribution All other services	metal products 7 0.000014 0.000011 0.000006 0.006599 0.000284 0.008108 0.157040 0.011249 0.000000 0.002016 0.000000	0.000010 0.000005 0.001998 0.00255 0.003970 0.016665 0.005969 - 0.000000 0.000640 - 0.000000	struction 9 0.000156 0.000054 0.000028 0.004489 0.001251 0.052372 0.104072 0.026532 0.000001 0.002002 - 0.000000	0.000024 0.000006 0.000013 0.000848 0.000567 0.005679 0.030107 0.015476 - 0.000000 0.001746	bution 11 0.000040 0.000004 0.000024 0.0000458 0.001064 0.004112 0.013208 0.003279 0.000000 0.001853	0.000079 0.000018 0.000041 0.003568 0.016031 0.013297 0.005375 0.000000 0.001041 0.000000

TABLE 4.7. Direct and Indirect Requirements for Industry Output Per Unit Industry Output delivered for Final Use Nova Scotia 1965, Model I

$$\mathbf{R}_{\mathbf{I}} = \left[\mathbf{I} - \overset{*}{\mathbf{J}} \left(\mathbf{I} - \hat{\mu}\right) \overset{*}{\mathbf{B}}\right]^{-1}$$

		Agri- culture	Forestry	Primary fishing	Mining
No.		1	2	3	4
1	Agriculture	1.012437	0.001247	0.002806	0.003178
2	Forestry	0.009936	1.000207	0.001941	0.012089
3	Primary fishing	0.017000	0.000096	1.004861	0.000069
4	Mining	0.010087	0.001248	0.005085	1.003739
5	Food, textiles	0.085281	0.000480	0.024388	0.000346
6	Sawmills, pulp and paper	0.007384	0.001440	0.014587	0.015473
7	Iron, steel, metals, machinery	0.008541	0.009313	0.027527	0.030306
8	Non-metals, petroleum, chemicals	0.056890	0.016314	0.052719	0.012153
9	Construction	0.038201	0.015562	0.010724	0.020432
10	Transportation, communications	0.051442	0.038001	0.060615	0.043559
11	Distribution	0.031032	0.012355	0.025373	0.012643
12	All other services	0.140692	0.034000	0.070684	0.080708
13	Total output	1.468917	1.130259	1.301307	1.234692

TABLE 4.8 A. Direct and Indirect Primary Input Requirements Per Unit Industry Output delivered for Final Use
Nova Scotia 1965, Model I

$$\overset{*}{\overset{}{\text{V}}_{B}}\left[\mathbf{I}-\overset{*}{\overset{}{\mathbf{J}}}\left(\mathbf{I}-\hat{\boldsymbol{\mu}}\right)\overset{*}{\overset{}{\text{B}}}\right]^{-1}$$

		Agri- culture	Forestry	Primary fishing	Mining						
No.		1	2	3	4						
1	Taxes	0.060662	0.056560	0.041098	0.036187						
2	Subsidies	- 0.041781	- 0.001624	- 0.006988	- 0.002449						
3	Non-competitive imports	0.059820	0.015591	0.050076	0.032819						
4	Wages and salaries	0.218019	0.349244	0.306614	0.586954						
	Unincorporated business income	0.350388	0.291953	0.294437	0.059784						
	Profit, rent, interest	0.070905	0.144978	0.082920	0.105163						
	Depreciation	0.112052	0.107932	0.085912	0.073707						
	Household income	0.611796	0.764321	0.660581	0.670256						
9	Education and hospitalization	_	0.704321	0.000381	0,070230						
10	Provincial revenue	0.009456	0.054947	0.034413	0.022583						
11	Municipal revenue	0.050925	0.004331		0.016920						
12	Federal revenue	0.029968		0.008279							
	Import leakage		0.012779	0.002662	0.023194						
		0.075805	0.020324	0.062222	0.085503						
14	Total primary inputs	0.830065	0.964634	0.854069	0.892164						
15	Factor incomes	0.639312	0.786175	0.683971	0.751900						
16	Gross Domestic Product	0.770245	0.949044	0.803993	0.859346						
17	Employment	0.212616	0.133081	0.214716	0.128036						

TABLE 4.7. Direct and Indirect Requirements for Industry Output Per Unit Industry Output delivered for Final Use Nova Scotia 1965, Model I

$$R_{I} = [I - \mathring{J}(I - \hat{\mu}) \mathring{B}]^{-1}$$

Food, textiles	Sawmills, pulp and paper, printing	Iron, steel, metals, machinery	Non-metals, petroleum, chemicals	Con- struction	Transportation, communications	Distri- bution	All other services	
5	6	7	8	9	10	11	12	No.
								1
0.071850	0.024676	0.000924	0.000706	0.002640	0.002273	0.001552	0.001372	1
0.003973	0.126421	0.001327	0.000579	0.006491	0.000740	0.000527	0.002115	2
0.207752	0.000781	0.000045	0.000040	0.000197	0.000089	0.000167	0.000091	3
0.004031	0.002612	0.033064	0.009885	0.022494	0.004248	0.002293	0.017969	4.
1.042214	0.003916	0.000224	0.000201	0.000987	0.000447	0.000839	0.000459	5
0.025573	1.052948	0.007565	0.003682	0.048832	0.005296	0.003834	0.015039	6
0.013727	0.013109	1.056120	0.005755	0.037474	0.010956	0.004754	0.004774	7
0.025423	0.025922	0.030795	1.016260	0.072632	0.042366	0.008977	0.014224	8
0.015630	0.014286	0.029313	0.015257	1.010565	0.033194	0.010926	0.048664	9
0.083106	0.101214	0.118510	0.037161	0.117686	1.102631	0.108897	0.061318	10
0.032794	0.035952	0.043137	0.013596	0.060802	0.025158	1.008386	0.009322	11
0.078628	0.097502	0.057390	0.050459	0.105895	0.180823	0.119229	1.082648	12
1.604698	1.499335	1.378411	1.153579	1.486693	1.408220	1.270381	1.257994	13

TABLE 4.8A. Direct and Indirect Primary Input Requirements Per Unit Industry Output delivered for Final Use
Nova Scotia 1965, Model I

$$\begin{matrix} \overset{*}{\mathbf{V}_{\mathbf{B}}} \, [\mathbf{I} - \overset{*}{\mathbf{J}} \, (\mathbf{I} - \hat{\boldsymbol{\mu}}) \, \overset{*}{\mathbf{B}}]^{-1} \\ \cdots \\ \overset{*}{\mathbf{Q}_{\mathbf{B}}} \end{matrix}$$

Food, textiles	Sawmills, pulp and paper, printing	Iron, steel, metals, machinery	Non-metals, petroleum, chemicals	Con- struction	Transportation, communications	Distri- bution	All other services	
5	6	7	8	9	10	11	12	No.
0.035006	0.037724	0.028035	0.013568	0.031202	0.076705	0.034266	0.137473	1
- 0.007051	- 0.005147	- 0.010174	- 0.001719	- 0.005036	- 0.036433	- 0.004669	- 0.012673	2
0.124118	0.077652	0.165378	0.618095	0.101443	0.047714	0.028565	0.078471	3
0.345004	0.429868	0.455351	0.126144	0.476294	0.518914	0.490745	0.301646	4
0.111470	0.111031	0.020183	0.009819	0.057385	0.064422	0.103215	0.107358	5
0.128816	0.169645	0.097125	0.153238	0.094599	0.099997	0.235837	0.227524	6
0.065440	0.070058	0.058764	0.052161	0.053095	0.174108	0.087929	0.120381	7
0.529370	0.604851	0.500840	0.163278	0.577408	0.616119	0.730005	0.551253	8
_	_	_	_	_	-	-	_	9
0.020908	0.022167	0.012745	0.011502	0.012801	0.057081	0.021745	0.042411	10
0.018054	0.021723	0.018376	0.007012	0.016646	0.024662	0.021178	0.097876	11
0.017961	0.028218	0.010682	0.030623	0.016186	0.010031	0.034594	0.018262	12
0.151071	0.143813	0.213256	0.706731	0.132846	0.083487	0.080436	0.129997	13
0.802800	0.890832	0.814658	0.971302	0.808981	0.945426	0.975886	0.960179	14
0.585291	0.710544	0.572658	0.289201	0.628278	0.683333	0.829797	0.636528	15
0.585291	0.813180	0.649282	0.353210	0.707538	0.897712	0.947321	0.881708	16
0.140525	0.121287	0.098769	0.028278	0.123377	0.131153	0.177139	0.109918	17

TABLE 4.8B. Direct and Indirect Requirements for Industry Output Per Unit Commodity Output delivered for Final Use Nova Scotia 1965, Model I

 $R_I \stackrel{*}{J} \text{ or } \stackrel{*}{J} R_C$

		Agricultural products	Forestry products	Primary fishing	Mining products
No.		1	2	3	4
1	Agriculture	1.012437	0.156013	0.002806	0.003178
2	Forestry	0.009936	0.836492	0.001941	0.012089
3	Primary fishing	0.017000	0.002687	1.004861	0.000069
4	Mining	0.010087	0.002618	0.005085	1.003739
5	Food, textiles	0.085281	0.013480	0.024388	0.000346
6	Sawmills, pulp and paper	0.007384	0.017364	0.014587	0.015473
7	Iron, steel, metals, machinery	0.008541	0.009250	0.027527	0.030306
8	Non-metals, petroleum, chemicals	0.056890	0.022648	0.052719	0.012153
9	Construction	0.038201	0.019002	0.010724	0.020432
10	Transportation, communications	0.051442	0.040956	0.060615	0.043559
11	Distribution	0.031032	0.015544	0.025373	0.012643
12	All other services	0.140692	0.051201	0.070684	0.080708

TABLE 4.9. Direct and Indirect Primary Input Requirements Per Unit Commodity Output delivered for Final Use Nova Scotia 1965, Model I

$$\mathring{V}_{B} [I - \mathring{J} (I - \hat{\mu}) \mathring{B}] - 1 \mathring{J}$$

*QF

	≺B				
		Agricultural products	Forestry products	Primary fish	Mining products
No.		1	2	3	4
1	Taxes	0.060662	0.056917	0.041098	0.036187
2	Subsidies	- 0.041781	- 0.007807	- 0.006988	- 0.002449
3	Non-competitive imports	0.059820	0.023232	0.050076	0.032819
4	Wages and salaries	0.218019	0.330354	0,306614	0.586954
5	Unincorporated business income	0.350388	0.298293	0.294437	0.059784
6	Profit, rent, interest	0.070905	0.134018	0.082920	0.105163
7	Depreciation	0.112052	0.108021	0.085912	0.073707
8	Household income	0.611796	0.738749	0.660581	0.670256
9	Education and hospitalization	-	_	_	-
10	Provincial revenue	0.009456	0.047531	0.034413	0,022583
11	Municipal revenue	0.050925	0.011695	0.008279	0.016920
12	Federal revenue	0.029968	0.006471	0.002662	0.023194
13	Import leakage	0.075805	0.030561	0.062222	0.085503
14	Total primary inputs	0.830065	0.943028	0.854069	0.892164
15	Factor incomes	0.639312	0,762666	0.683971	0.751900
16	Gross Domestic Product	0.770245	0.919797	0.803993	0.859346
17	Employment	0.212616	0.145059	0.214716	0.128036

TABLE 4.8B. Direct and Indirect Requirements for Industry Output Per Unit Commodity Output delivered for Final Use Nova Scotia 1965, Model I

R_I J or JR_C

Food, textiles	Wood, paper products	Steel, metal products	Non-metals, petroleum, chemicals	Con- struction	Transportation, communications	Distri- bution	All other services	
5	6	7	8	9	10	11	12	No.
0.071850	0.024481	0.000924	0.000707	0.002640	0.002273	0.001552	0.012983	1
0.003973	0.133694	0.001327	0.000583	0.006491	0.000740	0.000527	0.002205	2
0.207752	0.000775	0.000045	0.000040	0.000197	0.000089	0.000167	0.000286	3
0.004031	0.002601	0.033064	0.010010	0.022494	0.004248	0.002293	0.017878	4
1.042214	0.003888	0.000224	0.000201	0.000987	0.000447	0.000839	0.001433	5
0.025573	1.044195	0.007565	0.003703	0.048832	0.005296	0.003834	0.014951	6
0.013727	0.013077	1.056120	0.011415	0.037474	0.010956	0.004754	0.004818	7
0.025423	0.025842	0.030795	1.010949	0.072632	0.042366	0.008977	0.014714	1 8
0.015630	0.014297	0.029313	0.015333	1.010565	0.033194	0.010926	0.048543	9
0.083106	0.100688	0.118510	0.037599	0.117686	1.102631	0.108897	0.061205	10
0.032794	0.035755	0.043137	0.013755	0.060802	0.025158	1.008386	0.009571	11
0.078628	0.096973	0.057390	0.050496	0.105895	0.180823	0.119229	1.071831	12

TABLE 4.9. Direct and Indirect Primary Input Requirements Per Unit Commodity Output delivered for Final Use Nova Scotia 1965, Model I

$$\overset{*}{\mathbf{V}}_{\mathbf{B}} \left[\mathbf{I} - \overset{*}{\mathbf{J}} \left(\mathbf{I} - \hat{\mu} \right) \overset{*}{\mathbf{B}} \right] - 1 \overset{*}{\mathbf{J}}$$

 $\overset{*}{Q}_{B}$

Food, textiles	Wood, paper products	Steel, metal products	Non-metals, petroleum, chemicals	Con- struction	Transportation, communications	Distri- bution	All other services	· ·
5	6	7	8	9	10	11	12	No.
						'		
0.035006	0.037881	0.028035	0.013646	0.031202	0.076705	0.034266	0.136591	1
- 0.007051	- 0.005118	- 0.010174	- 0.001765	- 0.005036	- 0.036433	- 0.004669	- 0.013007	2
0.124118	0.077135	0.165378	0.615655	0.101443	0.047714	0.028565	0.078257	3
0.345004	0.429197	0.455351	0.127918	0.476294	0.518914	0.490745	0.300685	4
0.111470	0.112537	0.020183	0.009875	0.057385	0.064422	0.103215	0.110149	5
0.128816	0.169440	0.097125	0.152936	0.094599	0.099997	0.235837	0.225726	6
0.065440	0.070374	0.058764	0.052196	0.053095	0.174108	0.087929	0.120285	7
0.529370	0.606178	0.500840	0.165097	0.577408	0.616119	0.730005	0.551948	8
		_	_	-	-	-	_	9
0.020908	0.022440	0.012745	0.011509	0.012801	0.057081	0.021745	0.042033	10
0.018054	0.021579	0.018376	0.007073	0.016646	0.024662	0.021178	0.097337	11
0.017961	0.028090	0.010682	0.030515	0.016186	0.010031	0.034594	0.017708	12
0.151071	0.142786	0.213256	0.704071	0.132846	0.083487	0.080436	0.129374	13
0.802800	0.891446	0.814658	0.970458	0.808981	0.945426	0.975886	0.958685	14
0.585291	0.711173	0.572658	0.290729	0.628278	0.683333	0.829797	0.636560	15
0.678685	0.814310	0.649282	0.354806	0.707538	0.897712	0.947321	0.880428	16
0.140525	0.121385	0.098769	0.028658	0.123377	0,131153	0.177139	0.111097	17

TABLE 4.10 A. Direct and Indirect Commodity Requirements of Final Expenditure Categories

Nova Scotia 1965, Model I

$$[I - (I - \hat{\mu}) \overset{*}{B} \overset{*}{J}] - 1 [(I - \hat{\mu}) \overset{*}{D} : \overset{*}{E}]$$

		Personal consumption	Capital formation	Inventory change	Federal government defence	Federal government civil	Provincial government
No.		1	2	3	4	5	6
1	Agricultural products	0.036859	0.000173	- 0.067346	0.000271	0.000811	0.000263
2	Forestry products	0.002870	0.004375	0.040895	0.001280	0.002161	0.004731
3	Primary fish	0.019638	0.000118	0.004683	0.000738	0.000394	0.000168
4	Mining products	0.011954	0.016641	0.524301	0.016476	0.007177	0.009886
5	Food, textiles	0.091205	0.000594	0.023491	0.003704	0.001976	0.000841
6	Wood, paper products	0.014781	0.029155	0.032214	0.007497	0.014224	0.032183
7	Steel, metal products	0.017742	0.138946	0.048738	0.046123	0.020792	0.020623
8	Non-metals, petroleum, chemicals	0.038802	0.045519	0.175775	0.017440	0.023458	0.035015
9	Construction	0.019575	0.585469	0.012774	0.080155	0.253074	0.363901
10	Transportation, communications	0.098996	0.080997	0.034720	0.034388	0.059318	0.145952
11	Distribution	0.137108	0.039832	0.010202	0.028460	0.027618	0.043772
12	All other services	0.329182	0.068182	0.048907	0.053850	0.048053	0.129003
13	Totals	0.818711	1.010001	0.889354	0.290381	0.459057	0.786338

TABLE 4.10B. Direct and Indirect Industry Requirements of Final Expenditure Categories
Nova Scotia 1965, Model I

$$[\mathbf{I} - \overset{*}{\mathbf{J}} (\mathbf{I} - \hat{\boldsymbol{\mu}}) \overset{*}{\mathbf{B}}] - 1 \overset{*}{\mathbf{J}}] [(\mathbf{I} - \hat{\boldsymbol{\mu}}) \overset{*}{\mathbf{D}} : \overset{*}{\mathbf{E}}]$$

		Personal consumption	Capital formation	Inventory change	Federal government de fen ce	Federal government civil	Provincial government
No.		1	2	3	4	5	6
1	Agriculture	0.041077	0.001624	- 0.060539	0.001084	0.001693	0.002467
2	Forestry	0.002513	0,003887	0.034334	0.001129	0.001918	0.004209
3	Primary fishing	0.019638	0.000118	0.004683	0.000738	0.000394	0.000168
4	Mining	0.011954	0.016641	0.524301	0.016476	0.007177	0.009886
5	Foods, textiles	0.091205	0.000594	0.023491	0.003704	0.001976	0.000841
6	Sawmills, pulp and paper	0.014699	0.028975	0.032530	0.007453	0.014137	0.031983
7	Iron, steel, metals, machinery	0.017951	0.139192	0.049685	0.046217	0.020919	0.020812
8	Non-metals, petroleum, chemicals	0.038593	0.045274	0.174828	0.017346	0.023331	0.034827
9	Construction	0.019575	0.585469	0.012774	0.080155	0.253074	0.363901
10	Transportation, communications	0.098996	0.080997	0.034720	0.034388	0.059318	0.145952
11	Distribution	0.137108	0.039832	0.010202	0.028460	0.027618	0.043772
12	All other services	0.325402	0.067399	0.048345	0.053232	0.047501	0.127521
13	Total output	0.818711	1.010002	0.889353	0.290381	0.459057	0.786339

TABLE 4.10A. Direct and Indirect Commodity Requirements of Final Expenditure Categories Nova Scotia 1965, Model I

 $[I - (I - \hat{\mu}) \overset{*}{B}\overset{*}{J}] - 1 [(I - \hat{\mu}) \overset{*}{D}: \overset{*}{E}]$

Municipal			Total			Exp	orts			
government	Fducation	Hospital	domestic demand	Foreign	Canada	New Brunswick	Prince Edward Island	New- foundland	Total	1
7	8	9	10	11	12	13	14	15	16	No.
0.000806	0.000061	0.004172	0.021677	0.051813	0.029726	0.046855	0.011748	0.083921	0.041679	1
0.004240	0.003559	0.002558	0.003133	0.084358	0.016013	0.009544	0.011499	0.017241	0.040258	2
0.000623	0.000058	0.003689	0.011761	0.078234	0.056467	0.220764	0.031792	0.057119	0.076669	3
0.025443	0.004902	0.010042	0.013620	0.087237	0.153898	0.118792	0.051653	0.076258	0.118879	4
0.003123	0.000293	0.018505	0.054717	0.392472	0.283273	0.194960	0.159491	0.286544	0.311937	5
0.019044	0.024463	0.016686	0.017503	0.290928	0.068220	0.053119	0.075201	0.107965	0.150523	6
0.017741	0.012313	0.014804	0.034170	0.163738	0.457833	0.393611	0.104692	0.125094	0.314440	1 7
0.035448	0.021586	0.022830	0.035693	0.032784	0.030862	0.093233	0.669113	0.421929	0.080958	8
0.263249	0.161814	0.177543	0.140253	0.018513	0.025761	0.022175	0.016824	0.018655	0.022124	9
0.158392	0.072985	0.063185	0.090358	0.110528	0.216538	0.083660	0.056262	0.065812	0.153196	10
0.036003	0.030494	0.059574	0.095481	0.074941	0.085755	0.031059	0.020734	0.025164	0.071729	11
0.157592	0.060869	0.079321	0.223535	0.085852	0.107332	0.111498	0.060432	0.071761	0.096192	12
0.721704	0.393397	0.472909	0.741901	1.471395	1.531675	1.379266	1.269438	1.357460	1.478580	13

TABLE 4.10B. Direct and Indirect Industry Requirements of Final Expenditure Categories
Nova Scotia 1965, Model I

 $[\mathbf{I} - \overset{*}{\mathbf{J}} (\mathbf{I} - \hat{\mu}) \overset{*}{\mathbf{B}}] - \overset{1}{\mathbf{J}} \overset{*}{\mathbf{J}}] [(\mathbf{I} - \hat{\mu}) \overset{*}{\mathbf{D}} : \overset{*}{\mathbf{E}}]$

				[1 3 (1 1/2)	0] 0][(1	M) D.D]				
			Total			Exp	orts			
Municipal government	Education	Hospital	domestic demand	Foreign	Canada	New Brunswick	Prince Edward Island	New- foundland	Total	
7	8	9	10	11	12	13	14	15	16	No.
										1
0.003263	0.001304	0.005473	0.024722	0.065682	0.033404	0.049593	0.014198	0.087378	0.048932	1
0.003690	0.003168	0.002269	0.002755	0.072691	0.013907	0.008392	0.010204	0.015261	0.034788	2
0.000623	0.000058	0.003689	0.011761	0.078234	0.056467	0.220764	0.031792	0.057119	0.076669	3
0.025443	0.004902	0.010042	0.013620	0.087237	0.153898	0.118792	0.051653	0.076258	0.118879	4
0.003123	0.000293	0.018505	0.054717	0.392472	0.283273	0.194960	0.159491	0.286544	0.311937	5
0.018946	0.024311	0.016583	0.017403	0.289711	0.067881	0.052813	0.074739	0.107313	0.149845	6
0.017932	0.012429	0.014927	0.034362	0.163915	0.457999	0.394114	0.108298	0.127367	0.314876	7
0.035257	0.021470	0.022706	0.035501	0.032607	0.030696	0.092731	0.665506	0.419655	0.080522	8
0.263249	0.161814	0.177543	0.140253	0.018513	0.025761	0.022175	0.016824	0.018655	0.022124	9
0.158392	0.072985	0.063185	0.090358	0.110528	0.216538	0.083660	0.056262	0.065812	0.153196	10
0.036003	0.030494	0.059574	0.095481	0.074941	0.085755	0.031059	0.020734	0.025164	0.071729	11
0.155782	0.060170	0.078410	0.220968	0.084867	0.106099	0.110217	0.059738	0.070937	0.095088	12
0.721703	0,393398	0.472907	0.741901	1.471396	1.531674	1.379268	1.269437	1.357460	1.478580	13

TABLE 4.10C. Indirect Primary Input Requirements of Final Expenditure Categories Nova Scotia 1965, Model I

$$\overset{*}{\mathbf{V}}_{B} \left[\mathbf{I} - \overset{*}{\mathbf{J}} \left(\mathbf{I} - \hat{\boldsymbol{\mu}} \right) \overset{*}{\mathbf{B}} \right]^{-1} \overset{*}{\mathbf{J}} \left[\left(\mathbf{I} - \hat{\boldsymbol{\mu}} \right) \overset{*}{\mathbf{D}} : \overset{*}{\mathbf{E}} \right]$$

$$\overset{*}{\mathbf{Q}}_{B}$$

		Personal consumption	Capital formation	Inventory change	Federal government defence	Federal government civil	Provincial government
No.		1	2	3	4	5	6
1	Taxes	0.050893	0.021098	0.021311	0.010616	0.012313	0.028025
2	Subsidies	- 0.008055	- 0.004034	0.000454	- 0.001902	- 0.002507	- 0.006035
3	Non-competitive imports	0.058507	0.076858	0.126972	0.024710	0.031967	0.049957
4	Wages and salaries	0.221103	0.325106	0.354386	0.092326	0.147194	0.251095
5	Unincorporated business income	0.068136	0.035308	0.023906	0.013355	0.019268	0.036690
6	Profit, rent, interest	0.115727	0.065316	0.089732	0.028433	0.033655	0.064658
7	Depreciation	0.064414	0.037133	0.047789	0.016396	0.021069	0.044934
8	Household income	0.355183	0.388425	0.399659	0.118960	0.182120	0.318968
9!	Education and hospitalization	_	_	_	_	-	_
10	Provincial revenue	0.019798	0.008794	0.015927	0.004633	0.005612	0.013073
11	Municipal revenue	0.033757	0.011636	0.008363	0.006431	0.006586	0.015229
	Federal revenue	0.010488	0.010514	0.020870	0.003522	0.004689	0.007182
13	Import leakage	0.087085	0.100281	0.171942	0.033991	0.042883	0.069939
14	Total primary inputs	0.570724	0.556783	0.664548	0.183933	0.262959	0.469324
15	Factor incomes	0.404966	0.425730	0.468024	0.134114	0.200117	0.352443
16	Gross Domestic Product	0.512217	0.479925	0.537578	0.159224	0.230992	0.419367
17	Employment	0.081237	0.082078	0.070697	0.025114	0.039004	0.067897

TABLE 4.11. Transformation of Final Expenditure Flows into Primary Inputs (Indirect Impact Only)

Nova Scotia 1965, Table 1

$$\overset{*}{\overset{}{\text{V}}_{B}} \overset{*}{\underset{*}{\text{R}_{I}}} \overset{*}{\overset{*}{\text{J}}} \left[\left(I - \hat{\mu} \right) \overset{*}{\overset{}{\text{D}}} y + \overset{*}{\overset{*}{\text{E}}} x \right]$$

	Personal consumption	Capital formation	Inventory change	Federal government defence	Federal government civil	Provincial government
	1	2	3	4	5	6
			thousands	of dollars		
Taxes	52,705.6	4,381.3	100.4	1,427.3	1,306.5	2,645.1
Subsidies	- 8,342.3	- 837.8	2.1	- 255.7	- 266.0	- 569.6
Non-competitive imports	60,590.8	15,961.1	598.4	3,322.3	3,391.9	4,715.0
Wages and salaries	228,976.3	67,514.4	1,670.1	12,413.4	15,618.3	23,698.8
Unincorporated business income	70,562.1	7,332.4	112.7	1,795.6	2,044.4	3,462.9
Profit, rent, interest	119,848.2	13,564.0	422.9	3,822.8	3,571.1	6,102.5
Depreciation	66,707.3	7,711.3	225.2	2,204.5	2,235.6	4,240.9
Household income	367,831.2	80,663.9	1,883.5	15,994.3	19,324.2	30,104.8
Education and hospitalization	_	_	_		_	_
Provincial revenue	20,503.3	1,826.3	75.1	622.8	595.5	1,233.9
Municipal revenue	34,958.8	2,416.5	39.4	864.7	698.8	1,437.4
Federal revenue	10,861.3	2,183.5	98.4	473.6	497.5	677.8
Import leakage	90,186.0	20,825.4	810.3	4,570.2	4,550.2	6,600.9
Total primary inputs	591,047.3	115,626.6	3,131.9	24,730.0	27,901.8	44,295.6
Factor incomes	419,386.5	88,410.8	2,205.7	18,031.7	21,233.8	33,264.2
Gross Domestic Product	530,457.0	99,665.6	2.533.5	, , , , ,	,	39,580.6
Employment	84,130.1	17,045.0	333.2	3,376.6	4,138.6	6,408.2
	Subsidies Non-competitive imports Wages and salaries Unincorporated business income Profit, rent, interest Depreciation Household income Education and hospitalization Provincial revenue Municipal revenue Import leakage Total primary inputs Factor incomes Gross Domestic Product	Consumption 1 1 1 1 1 1 1 1 1	Consumption Formation	Consumption Formation Change	Telsonal consumption Capital formation Change Government defence	Consumption Consumption

TABLE 4.10C. Indirect Primary Input Requirements of Final Expenditure Categories
Nova Scotia 1965, Model I

$$\overset{\boldsymbol{*}}{\mathbf{V}_{B}}\,[\,\mathbf{I}\,\,\boldsymbol{-}\,\,\overset{\boldsymbol{*}}{\mathbf{J}}\,\,(\,\mathbf{I}\,\,\boldsymbol{-}\,\,\hat{\boldsymbol{\mu}})\,\,\overset{\boldsymbol{*}}{\mathbf{B}}\,]\,\,\boldsymbol{-}\,\,\mathbf{I}\,\,\,\overset{\boldsymbol{*}}{\mathbf{J}}\,[\,\,(\,\mathbf{I}\,\,\boldsymbol{-}\,\,\hat{\boldsymbol{\mu}})\,\,\overset{\boldsymbol{*}}{\mathbf{D}}\,;\overset{\boldsymbol{*}}{\mathbf{E}}\,]$$

 $\overset{*}{Q}_{B}$

Municipal government			Total			Exp	orts			
	Education	Hospital	domestic demand	Foreign	Canada	New Brunswick	Prince Edward Island	New- foundland	Total	
7	8	9	10	11	12	13	14	15	16	No.
0.031262	0.013702	0.016489	0.037228	0.037143	0.041689	0.037398	0.020753	0.027735	0.038172	1
- 0.006719	- 0.002996	- 0.003057	- 0.006190	- 0.008036	- 0.011873	- 0.008695	- 0.003624	- 0.007038	- 0.009664	2
0.047170	0.027159	0.031761	0.053456	0.102239	0.121931	0.140855	0.440298	0.309815	0.138023	3
0.229856	0.125227	0.148297	0.213655	0.407229	0.481640	0.386594	0.229363	0.286297	0.427079	4
0.036288	0.018846	0.025332	0.050758	0.106092	0.071942	0.108135	0.035302	0.073087	0.086066	5
0.065506	0.034356	0.045422	0.087862	0.136102	0.127593	0.111535	0.143159	0.133419	0.130273	6
0.048010	0.022857	0.026370	0.050086	0.072654	0.084173	0.070715	0.056930	0.063443	0.076782	7
0.298068	0.160314	0.196688	0.312215	0.575544	0.604345	0.541467	0.300987	0.402964	0.566845	8
_	_	_	_	_	_	_	_	_	_	9
0.014598	0.006633	0.007458	0.014922	0.021848	0.023862	0.020516	0.014212	0.015789	0.022065	10
0.017338	0.007402	0.009573	0.023884	0.019715	0.022051	0.019984	0.011163	0.016083	0.020321	11
0.006194	0.003959	0.005640	0.008879	0.018531	0.014681	0.012634	0.026268	0.020365	0.016641	12
0.067165	0.037986	0.044884	0.076869	0.145131	0.167983	0.181223	0.512621	0.368114	0.184078	13
0.451373	0.239152	0.290613	0.486855	0.853421	0.917093	0.846536	0.922179	0.886756	0.886729	j 14
0.331650	0.178429	0.219051	0.352275	0.649423	0.681175	0.606265	0.407824	0.492804	0.643418	15
0.404203	0.211992	0.258852	0.433399	0.751184	0.795164	0.705682	0.481883	0.576943	0.748707	16
0.062996	0.034208	0.043180	0.069689	0.131055	0.132271	0.131216	0.062373	0.093456	0.127114	17

TABLE 4.11. Transformation of Final Expenditure Flows into Primary Inputs (Indirect Impact Only)

Nova Scotia 1965, Table 1

$$\overset{*}{\mathbf{V}}_{\mathbf{B}} \mathbf{R}_{\mathbf{I}} \overset{*}{\mathbf{J}} [(\mathbf{I} - \hat{\mu}) \overset{*}{\mathbf{D}} \mathbf{y} + \overset{*}{\mathbf{E}} \mathbf{x}]$$

 $\overset{*}{Q}_{b}$

			Total			Expo	orts		- m	
Municipal government	Education	Hospital	domestic demand	Foreign	Canada	New Brunswick	Prince Edward Island	New- foundland	Total	-1
7	8	9	10	11	12	13	14	15	16	No.
				thousar	nds of dollars					
			65,821.6	5,111.8	7,334.6	1,127.9	265.5	613.9	14,453.7	1 1
971.7	1,262.2	1,021.5		- 1,105.9	- 2,088.8	- 262.2	- 46.4	- 155.8	- 3,659.2	2
- 208.9	- 276.0	- 189.4	- 10,943.5	14,070.7	21.451.8	4,248.1	5,633.9	6,857.9	52,262.3	3
1,466.2	2,501.8	1,967.6	94,515.0		for the second second	11,659.3	2,934.8	6,337.3	161,713.5	1 4
7,144.8	11,535.2	9,187.2	377,758.7	56,045.0	84,737.1	3,261.3	451.7	1,617.8	32,588.7	5
1,128.0	1,736.0	1,569.4	89,743.3	14,600.9	12,657.1		1,831.8	2,953.3	49,327.9	6
2,036.2	3,164.7	2,814.0	155,346.3	18,731.1	22,447.9	3,363.8	728.5	1,404.3	29.073.5	1 7
1,492.4	2,105.5	1,633.7	88,556.2	9,999.1	14,808.9	2,132.7	3,851.3	8,919.8	214,635.6	8
9,265.2	14,767.2	12,185.2	552,019.3	79,209.4	106,325.0	16,330.2	3,831.3	0,717.0	214,033.0	9
_	-	_	-	_				349.5	8,355.1	10
453.8	611.0	462.0	26,383.6	3,006.8	4,198.1	618.8	181.9			
538.9	681.9	593.1	42,229.4	2,713.3	3,879.6	602.7	142.8	356.0	7,694.4	111
192.5	364.7	349.4	15,698.7	2,550.3	2,583.0	381.0	336.1	450.8	6,301.2	12
2,087.7	3,499.1	2,780.6	135,910.3	19,973.8	29,554.0	5,465.5	6,559.3	8,148.3	69,700.9	13
14,030.5	22,029.2	18,004.0	860,796.6	117,452.3	161,348.1	25,530.8	11,799.8	19,628.7	335,759.6	14
		10.550.6	622,848.1	89,377.0	119,842.1	18,284.4	5,218.3	10,908.4	243,630.2	15
10,309.0	16,435.8	13,570.6	766,282.2	103,381.9	139,896.6	21,282.8	6,166.0	12,770.9	283,497.9	16
12,564.2	19,527.5	16,036.3		18,036.4	23,271.1	3,957.4	798.1	2,068.7	48,131.6	17
1,958.2	3,151.0	2,675.1	123,216.0	16,030.4	20,2727					

TABLE 4.12. Import Content of a Dollar of Finally Delivered Product

Illustrative 12x12 Model I, Nova Scotia, 1965

		Content of a dollar of final sales of domestic production							
	Commodities	Non- competitive commodity imports	Competitive imports	Total imported commodity inputs (1) + (2)	Domestic content (GDP)	Primary import leakage ¹			
No.		1	2	3	4	5			
1	Agricultural products	.060	.170	.230	.770	.076			
1 2	Forestry products	.023	.057	.080	.920	.031			
3	Primary fish	.050	.146	.196	.804	.062			
4	Mining products	.033	.108	.141	.859	.086			
5	Food, textile products	.124	.197	.321	.679	.151			
6	Wood, paper products	.077	.109	.186	.814	.143			
7	Steel, metal products	.165	.185	.351	.649	.213			
8	Non-metals, mineral, petroleum	.616	.030	.645	.355	.704			
9	Construction activity	.101	.191	.292	.708	.133			
10	Transportation, communications	.048	.055	.102	.898	.083			
11	Distribution services	.029	.024	.053	.947	.080			
12	All other services	.078	.041	.120	.880	.129			
		Content of a dollar of final sales of domestic production		Import	Total import content of typical dollar of domestic final use				
		Total import content (2) + (5)	Domestic content (GDP less income leakage)	ratio μ	μ+[(I - μ)x Column (3)]	μ+[(I - μ)x Column (6)]			
		6	7	8	9	10			
1	Agricultural products	.246	.754	.345	.495	.506			
2	Forestry products	.088	.912	.007	.086	.094			
3	Primary fish	.208	.792	.125	.296	.3.07			
4	Mining products	.193	.807	.166	.283	.328			
5	Food, textile products	.348	.652	.559	.700	.713			
	Wood, paper products	.251	.749	.516	.606	.638			
6		.399	.601	.737	.829	.842			
6 7	Steel, metal products			267	.739	.805			
	Steel, metal products	.734	.266	.267	.137				
7	Non-metals, mineral, petroleum	.734	.266	.000	.292	.324			
7 8	Non-metals, mineral, petroleum								
7 8 9	Non-metals, mineral, petroleum	.324	.676	.000	.292	.324			

¹ Non-competitive commodity imports plus remittable profits and interest, not accruing to the domestic economy. Source: Tables 4.1, 4.6 and 4.9.

products while impact on primary inputs requires a transformation to demand for industries.

It may be noted that Tables 4.8B for Nova Scotia and 4.8B for the Atlantic Region are both defined in industry by commodity space, though the dimensions differ: (12×12) in the case of Nova Scotia and (8×12) in the case of the Atlantic Region.

Table 4.8A shows direct and indirect requirements of primary inputs per unit final deliveries of each of the industry outputs in the system. Thus we may note for example that the secondary wood processing industry (column 6) generates, directly and indirectly \$430 in wages and salaries, \$605 in households income, and .121 units of employment per thousand dollars final delivery of industry output.

Comparison of these results with the corresponding direct input coefficients $(J(I - \hat{\mu})^*)$ yields primary multipliers (see Table 4.16 below).

The most useful of these multipliers relate to household income, factor income and employment. For further discussion see below.

Direct and Indirect Requirements for Domestically Produced Products per Unit of Final Expenditure Categories $[I - (I - \hat{\mu}) BJ]^{-1}$ $[(I - \hat{\mu}) D : E]$. (Table 4.10A)

Table 4.2 shows final expenditure coefficients which represent domestic expenditure patterns \hat{D} and export patterns \hat{E} . Table 4.10A shows the requirements for domestically produced products associated with \hat{D} and \hat{E} . The coefficients in $[I - (I - \hat{\mu}) \hat{B} \hat{J}] (I - \hat{\mu}) \hat{D}$ can be compared with $(I - \hat{\mu}) \hat{D}$ in order to obtain an indication of the degree to which domestic production is induced over and above the direct purchases by domestic final users.

From Table 4.10A we may observe, for example, that one million dollars of federal defence expenditure on goods and services generates total domestic requirements of \$459,057 in commodities. As is to be

expected, construction accounts for over half of this demand (\$253,074). To take another example, one million dollars of personal expenditure on goods and services generates total domestic requirements \$818,711 in commodities. In the case of every type of final domestic expenditure category, there is a competitive import leakage of $\hat{\mu}D$.

Final demand for export categories differs from final demand for domestic expenditures in the sense that it is assumed that all goods exported from the economy are domestically produced. Thus one million dollars of export to foreign countries generates a total demand for \$1,471,395 while one million dollars of shipments to Canadian destinations other than the Atlantic Provinces, generates a total requirement for \$1,531,694 of locally produced commodities.

Direct and Indirect Requirements for the Output of Industries per Unit Final Expenditure Categories $[I - (I - \hat{\mu}) \overset{**}{B}J]^{-1} \overset{*}{J} [(I - \hat{\mu}) \overset{*}{D} \overset{*}{\vdots} \overset{*}{E}]$ (Table 4.10B)

Table 4.10B shows total requirements for the output of industries per unit final expenditure category. We note that total demand for domestic commodities is equal to total demand for domestic industries for each category of final expenditure.

Indirect requirements of primary inputs per unit of final demand expenditure category are shown in Table 4.10C. Here we may observe, for example, that one million dollars of federal defence expenditure generates \$118,900 in household incomes over and above the \$652,580 directly paid to households in the form of wages, salaries and military pay. Similarly, a million dollars of provincial government expenditures on goods and services generates \$318,968 in household income over and above the \$288,613 paid directly to households in the form of wages, salaries and interest.

We may equally well take an example from the set of export categories E. Here we may observe, that one million dollars of a typical set of exports to foreign countries generates \$575,544 in household incomes.

Check on the Basic Model (Table 4.11)

We obtain a check on the accuracy of the model from the fact that

$$\begin{bmatrix} V_{D} & \vdots & V_{E} \\ Q_{D} & \vdots & Q_{E} \end{bmatrix}$$

$$\begin{bmatrix} v_{B} & \vdots & V_{E} \\ \vdots & \vdots & \vdots \end{bmatrix}$$

$$\begin{bmatrix} v_{B} & \vdots & V_{E} \\ \vdots & \vdots & \vdots \end{bmatrix}$$

$$\begin{bmatrix} v_{B} & \vdots & v_{E} \\ \vdots & \vdots & \vdots \end{bmatrix}$$

$$\begin{bmatrix} v_{B} & \vdots & v_{E} \\ \vdots & \vdots & \vdots \end{bmatrix}$$

$$\begin{bmatrix} v_{B} & \vdots & v_{E} \\ \vdots & \vdots & \vdots \end{bmatrix}$$

$$\begin{bmatrix} v_{B} & \vdots & v_{E} \\ \vdots & \vdots & \vdots \end{bmatrix}$$

$$\begin{bmatrix} v_{B} & \vdots & v_{E} \\ \vdots & \vdots & \vdots \end{bmatrix}$$

$$= \begin{bmatrix} V_{B} & \vdots & V_{D} & \vdots & V_{E} \\ \vdots & \vdots & \ddots & \vdots & \vdots \\ Q_{B} & \vdots & Q_{D} & \vdots & Q_{E} \end{bmatrix} i_{(n+p+r)}$$

In Table 4.11 the indirect primary input coefficients of Table 4.10C are multiplied by the appropriate base year totals, (i.e., the entries y and x of the base year accounts) to yield primary inputs in flow terms. When these are added to the direct primary input flows of final domestic and export categories, we obtain a column vector of total primary inputs, in flow terms. Thus entries in the column "total exports" of Table 4.11 plus entries in the column "total domestic demand" plus the primary input entries in the column "total domestic

demand" of Table 3.2, plus the one entry in equal $Q_{\rm E}$

the sum of all primary input flows as shown in column 31 of Table 3.2.

Direct and Indirect Generation of Household Income and Employment by Final Expenditure Categories (Table 4.13)

From Table 4.11 we can also derive distributions relating to primary inputs generated by the various final demand categories. Thus in Table 4.13 we show household income and employment generated by the final demand categories. From Table 4.13 we may observe that exports generated 20.4% of household income; while federal expenditures on goods and services accounted for 18.3% and personal consumption expenditures for 35.0% of household income. One could similarly attribute total wages and salaries, taxes, etc. to the various final demand categories.

While the contribution of final expenditures to domestic income can be estimated on the basis of aggregates in a closed economy, or in an economy in which foreign trade is of relatively small importance, in an open economy such as that of Nova Scotia, which moreover has a large import surplus, input-output analysis offers the only reliable method of obtaining the kind of results presented in Table 4.13.

Direct and Indirect Import Generation by Final Demand Expenditures (Table 4.14)

Table 4.11 when combined with the base year flow accounts of Table 3.2 yields a similar distribution with respect to imports. Table 4.14 shows competitive import content of final demand in column (1). This is obtained as the difference between intermediate purchases (row 13 of Table 3.2) and total primary inputs (row 14 of Table 4.11). In columns (2) and (3) are shown total non-competitive import content and total import leakage respectively. The latter exceeds the former by profits, rent and interest remitted or remittable out of the province. Column (2) is obtained from row 3 of Table 4.11, column (3) comes from row 13 of Table 4.11. Total import content is shown on an alternate basis, i.e., in column (4) as the sum of columns (1) and (2) and in column (5) as the sum of columns (1) and (3). Thus we may observe, for example, that direct and indirect requirements of imports for personal consumption are \$380.2 million of commodities, composed of \$229.6 million of competitive imports and \$150.6 million of non-competitive imports. There is an additional leakage of \$29.6 million in remitted or remittable profits, interest and rent, making the total direct and indirect requirements of imports for personal consumption \$409.8 million. Imports related to personal consumption represent 53.7% of total imports. The total import content of export is \$126.6 million; 16.6% of total imports to Nova Scotia.

Table 4.15 shows imports and domestic content of each type of final expenditure. Import content is entered from Table 4.14. Domestic content is obviously the difference between total expenditure and its import content. Corresponding to the two measures of import content, we have two measures of domestic content. Column (4) is total expenditure less commodity imports, i.e. contribution to Gross Domestic Product. Column (5) is contribution to GDP net of profits, interest and rent remitted or remittable. Line 16 of Table 4.11 provides an independent check on GDP (Column 4).

In columns (6) and (7) we obtain the import content of various types of final expenditure. Thus personal expenditure has an import content of 36.7% (39.6%), capital formation 51.8% (54.3%), etc. Foreign exports have an import content of intermediate inputs of 24.9% (29.2%).

When we sum overall final expenditures we observe that the total expenditure of \$2,146.6 million resolves to \$658.8 million commodity imports and \$1,460.8 million Gross Domestic Product. The overall import coefficient for the economy is 32%. The Keynesian average propensity to import is 47%.

Output, Input and Primary Multipliers (Table 4.16)

The output multiplier measures the gross sum of commodity requirements from the domestic economy associated with the delivery for final use of one unit of product. It may also be calculated on the basis of the gross sum of industry outputs associated with the delivery for final use of one unit of industry output.

Output multipliers calculated on the basis of final delivery of domestically produced products are obtained by summing direct and indirect domestically produced commodity requirements necessary to deliver one unit for final use. The multipliers are given by $i'_m [I - (I - \hat{\mu}) BJ]$ from Table 4.4.

Output multipliers calculated on the basis of final delivery of industry output are obtained by summing all direct and indirect industry inputs required to deliver one unit of industry output for final use. Multipliers in this case are given by $i'_n [I - \mathring{J}(I - \hat{\mu}) \mathring{B}]^{-1}$ from Table 4.7.

The measure indicates backward linkage and examination of Table 4.16 shows that manufactured products and construction activity tend to require more domestically produced intermediate goods and services than do primary industries or services.

The input multiplier is a general measure of interdependence in the domestic economy and its most interesting characteristic is its invariance to the direct intermediate input coefficient. As in the case of the output multiplier, it can be calculated on the basis of delivery of a unit of industry output or alternately, a unit of domestically produced product.

The input multiplier is obtained by dividing the sum of total (i.e., direct plus indirect) domestically produced intermediate requirements by the sum of direct domestically produced intermediate requirements. The input multiplier with respect to final delivery of industry output is thus obtained by dividing

$$i'_{n} [I - \mathring{J}(I - \hat{\mu}) \mathring{B}] - 1 - i'_{n}$$

from Table 3.8A by the corresponding element in $i'_n [\overset{*}{J} (I - \hat{\mu}) \overset{*}{B}]$ from Table 3.5D.

Evidently, the input multiplier with respect to delivery of a unit of domestically produced product is similarly obtained by dividing

$$i'_{m} [I - (I - \hat{\mu}) \mathring{BJ}]^{-1} - i'_{m}$$

from Table 4.4 by the corresponding element in i'_m (I - $\hat{\mu}$) BJ from Table 4.3B.

The input multiplier appears to be invariant to the total intermediate input coefficient. When the direct input coefficient is low, as in the case of services, we would expect the output multiplier to be also low. The input multiplier, however, measures the degree to which domestically produced intermediate inputs generate further indirect domestic production. The general magnitude of the input multipliers thus yields a "rule of thumb" indicator for an economy as a whole which can be seen as a useful first approximation for a general measure of interdependence.8

The primary multiplier is one of the most useful indicators which can be derived from input-output analysis. It measures the degree to which backward linkage within an economy multiplies initial outlay on any categories of primary input such as wages and salaries, household incomes, factor income or employment. As in the case of the output multiplier and the input multiplier, the primary multiplier can be calculated with respect to industry output or commodity output.

We recall that a set of primary multipliers with respect to industry output is obtained by dividing elements of the matrix

⁸ For further discussion, see Section V of this chapter.

by the corresponding elements in the matrix

$$\stackrel{*}{V_B}$$
 (Table 4.2)

The alternative set of primary multipliers with respect to products are obtained by dividing elements of the matrix

$$\overset{*}{\overset{V}{V}_{B}}} [I - \overset{*}{J} (I - \hat{\mu}) \overset{*}{B}]^{-1} \overset{*}{J} \qquad \text{(Table 4.9)}$$

by corresponding elements in the matrix $\overset{*}{\underset{O_{R}}{V_{B}}} \overset{*}{\underset{O_{R}}{\dots}} J.$

Final demand input multipliers may be defined as the ratio of total requirements for domestically produced commodities to direct requirements only. These multipliers are thus formed by dividing the appropriate elements of i'_m [I - (I - $\hat{\mu}$) BJ] [I - $\hat{\mu}$) D:E]

by corresponding elements of the vector $i'_{m} [I - \hat{\mu}] \stackrel{*}{D} : \stackrel{*}{E}$

Final demand primary multipliers are meaningful only for the public sectors because these are, of course, domestic production activities. For these public sectors primary input multipliers are calculated by dividing elements in selected rows of the matrix

 $\hat{\vec{V}}_B \left[\vec{I} - \hat{\vec{J}} \left(\vec{I} - \hat{\mu} \right) \hat{\vec{B}} \right] \hat{\vec{J}} \left(\vec{I} - \hat{\mu} \right) \hat{\vec{D}}$ by corresponding elements in the matrix $\hat{\vec{V}}_D$

*QD

In Table 4.16 three primary multipliers are shown: those relating to household income, factor income and employment. We note that a typical set of provincial government expenditures has a household income multiplier of 2.1 and an employment multiplier of 2.4. This means that total income and employment generated exceeds direct income and employment created by factors of 2.1 and 2.4 respectively. Interpretation of these figures requires care. High multipliers are arithmetically related to low direct income or employment coefficients. Thus, a typical dollar of provincial government expenditure directly generates 28.8 cents of household income, (Table 4.2) while 54.7 cents⁹ is spent on goods and services supplied by domestic industries. These latter generate a total of 31.9 cents of household income. (Table 4.10C.) Consequently, the household

income multiplier is 2.105, ((28.8 + 31.9) ÷ 28.8). Consider, by contrast, a typical set of educational expenditures. Here income directly generated per dollar of total expenditure is 61.8 cents; and goods and services supplied by domestic industries is only 27.6 cents.9 If the entire 27.6 cents were to accrue to households, the household income multipliers could still be no larger than 1.45. As some income leaks out in the form of imported commodities and other income does not accrue to households, the income multiplier of educational expenditures is only 1.26.

Household Income and Employment Generated Per Million Dollars Final Sales (Table 4.17 and 4.18)

In Table 4.17 we have combined direct and indirect generation of income and employment for industrial and final domestic production activities. This is useful in order that the user not be misled by the high value of multipliers of industries which have a very low direct impact on income and employment. In Table 4.17 we have ranked productive activities in order of total income generated per million dollars of final output. We observe, as is to be expected, that primary activities and services, including government services, yield more total income and employment per dollar of expenditure than do manufacturing industries. While some activities such as agriculture yield relatively low total income and high employment, others such as hospital services yield higher income and higher employment per dollar expenditure. Manufacturing activities with relatively high income and employment multipliers (see Table 4.12) yield low total income and low total employment per dollar final expenditure. For purposes of economic policy these data should be combined with estimates of capital-output ratios for producing activities.

Columns (2) and (6) are obtained from the direct input coefficients in Table 4.2. Columns (4) and (8) are derived from Tables 4.8B and 4.10C. Table 4.8A yields direct and indirect income and employment per \$1,000 of final sales; thus the direct income and employment are subtracted in order to arrive at columns (3) and (7). Table 4.10C yields indirect income and employment only and the direct must be added to arrive at columns (4) and (8). Income per man in Table 4.17 refers to total income generated by total employment, both direct and indirect.

The same data are re-arranged in Table 4.18 to show total employment and total income arising from an initial employment of 1,000 persons in each of the 12 industries in the system.

⁹ Derived from Matrix $(I - \hat{\mu})$ $\stackrel{*}{D}$.

TABLE 4.13. Direct and Indirect Generation of Household Income and Employment by Final Expenditure Categories

Illustrative 12 x 12 Model I, Nova Scotia, 1965

	Househol	d income	Employment		
Final demand categories	Millions of dollars	%	Thousands	%	
Personal consumption Capital formation Federal government: Defence Civilian Provincial government Municipal government Education Hospitalization	367.8 82.5 103.7 87.6 57.3 20.8 71.7 43.2	35.0 7.9 9.9 8.4 5.5 2.0 6.8 4.1	84.1 17.3 17.9 17.2 10.9 4.2 14.2 14.3	36.9 7.6 7.8 7.5 4.9 1.8 6.2 6.2	
Sub-total: Domestic expenditures	(834.6)	(79.6)	(180.1)	(78.9)	
Exports: Foreign Canada New Brunswiçk Prince Edward Island Newfoundland Sub-total:	79.2 106.3 16.3 3.9 8.9	7.5 10.1 1.6 0.4 0.8	18.0 23.2 4.0 0.8 2.1	7.9 10.2 1.7 0.4 0.9	
Exports	(214.6)	(20.4)	(48.1)	(21.1)	
Totals	1,049.2	100.0	228.2	100.0	

Source: Tables 4.11 and 3.2.

TABLE 4.14. Direct and Indirect Import Generation by Final Expenditure Categories Illustrative 12 x 12, Model I, Nova Scotia, 1965

		Primary inputs		Total import content			
Final demand categories	Competitive imports	Non- competi- tive imports	Non- competitive imports plus income leakage	Com- modities only (1) + (2)	Total import leakage (1) + (3)	Percentage distribution of (5)	
	(1)	(2)	(3)	(4)	(5)	(6)	
		mi	llions of dolla	rs		%	
Personal consumption	229.6 93.6	150.6 16.5	180.2 21.8	380.2 110.1	409.8 115.4	53.7 15.1	
Federal government: Defence Civilian Provincial government Municipal government Education Hospitalization	20.5 9.3 10.4 3.0 6.6 6.0	4.8 4.0 6.1 2.5 5.6 7.5	6.0 5.2 19.0 4.6 10.1 9.8	25.3 13.3 16.5 5.5 12.2 13.5	26.5 14.5 29.4 7.6 16.7 15.8	3.5 1.9 3.9 1.0 2.2 2.1	
Sub-total: Domestic expenditures	(379.0)	(197.6)	(256.7)	(576.6)	(635.7)	(83.4)	
Exports: Foreign Canada New Brunswick Prince Edward Island Newfoundland	20.2 28.6 4.6 1.0 2.5	14.0 21.6 4.2 5.6 6.9	20.0 29.6 5.4 6.6 8.1	34.2 50.2 8.8 6.6 9.4	40.2 58.2 10.0 7.6 10.6	5.3 7.6 1.3 1.0 1.4	
Sub-total: Exports Totals	(56.9) 435. 9	(52.3) 249.9	(69.7) 326.4	(109.2) 685.8	(126.6) 762.3	(16.6) 100.0	

Source: Tables 3.2 and 4.11.

TABLE 4.15. Domestic and Import Content of Final Expenditures Illustrative 12 x 12, Model I, Nova Scotia, 1965

	Total	Imp		Dom cont		Percentage import content	
Final demand categories	expen- diture on goods and services	Com- modities only	Total import leakage	GDP	GDP (less income leakage)	Commodities only (2) ÷ (1)	Total import leakage (3) ÷ (1)
	(1)	(2)	(3)	(4)	(5)	(6)	(7)
		mi	llions of dolla	rs		9	6
Personal consumption	1,035.6	380.2	409.8	655.4	625.8	36.7	39.6
Capital formation	212.4	110.1	115.4	102.3	97.0	51.8	54.3
Federal government:	1						
Defence	134.4	25.3	26.5	109.1	107.9	18.8	19.7
Civilian	106.1	13.3	14.5	92.8	91.6	12.5	13.7
Provincial government	94.3	16.5	29.4	77.8	64.9	17.5	31.2
Municipal government	31.1	5.5	7.6	25.6	23.5	17.7	24.4
Education	92.2	12.2	16.7	80.0	75.5	13.2	18.1
Hospitalization	61.9	13.5	15.8	48.4	46.1	21.8	25.5
Sub-total:							
Domestic expenditures	(1,768.0)	(576.6)	(635.7)	(1,191.4)	(1,132.3)	(32.6)	(36.0)
Exports:							
Foreign	137.6	34.2	40.2	103.4	97.4	24.9	29.2
Canada	176.0	50.2	58.2	125.8	117.8	28.5	33.1
New Brunswick	30.1	8.8	10.0	21.3	20.1	29.2	33.2
Prince Edward Island	12.8	6.6	7.6	6.2	5.2	51.6	59.4
Newfoundland	22.1	9.4	10.6	12.7	11.5	42.5	47.0
Sub-total:							
Exports	(378.6)	(109.2)	(126.6)	(269.4)	(252.0)	(27.8)	(32.2)
Totals	2,146.6	685.8	762.3	1,460.8	1,384.3	31.9	35.5

Source: Tables 3.2 and 4.14.

TABLE 4.16. Output, Input and Primary Multipliers Illustrative Example 12 x 12, Model I, Nova Scotia, 1965

	Output		Prin	nary multiplie	ers
		Input	Household income	Factor income	Employ- ment
Industries:	1		1		
1. Agriculture	1.469	1.359	1.414	1.476	1.231
2. Forestry	1.130	1.334	1.074	1.083	1.092
3. Primary fishing	1.301	1.332	1.205	1.239	1.126
4. Coal and other mining	1.235	1.329	1.175	1.178	1.191
5. Food, textile manufacturing	1.605	1.365	2.083	2.021	2.312
6. Sawmills, pulp and paper manufacturing	1.499	1.293	1.683	1.613	1.707
7. Steel and metal manufacturing	1.378	1.341	1.474	1.472	1.523
8. Non-metallic minerals manufacturing	1.154	1.314	1.651	1.344	1.908
9. Construction	1.487	1.317	1.519	1.581	1.506
10. Transportation, communication	1.408	1.306	1.375	1.396	1.363
11. Distribution	1.270	1.334	1.192	1.191	1.160
12. Services	1.258	1.355	1.247	1.241	1.259
Commodities:			: 1 i		
1. Agricultural products	1.469	1.359	1.414	1.476	1.231
2. Forest products	1.187	1.342	1.112	1.126	1.125
3. Primary fishing	1.301	1.331	1.205	1.239	1.126
4. Mining products	1.235	1.329	1.175	1.178	1.191
5. Food, textiles	1.605	1.365	2.083	2.021	2.312
6. Wood, paper, etc.	1.496	1.293	1.673	1.606	1.699
7. Steel and metal manufacturing	1.378	1.341	1.474	1.472	1.523
8. Non-metallic minerals	1.158	1.314	1.648	1.346	1.899
9. Construction activity	1.487	1.317	1.519	1.581	1.500
10. Transportation, communication	1.408	1.306	1.375	1.396	1.363
11. Distribution	1.270	1.334	1.192	1.191	1.160
12. Services	1.260	1.356	1.249	1.243	1.258
Final demand categories:	_	1.333	_	AAAA	
1. Personal consumption		1.469	_		
2. Capital formation					
Federal government:	_	1.376	1.182	1.206	1.23
3. Defence		1.456	1.283	1.311	1.318
4. Civilian		1.436	2.105	1.870	2.424
5. Provincial government		1.404	1.803	1.788	1.85
6. Municipal government		1.425		1.272	1.286
7. Education		1.414	1.394	1.418	1.23
8. Hospitalization			1		
Exports:	_	1.471	_	_	-
Foreign		1.532		_	_
Canada		1.379			
New Brunswick		1.269		_	_
Prince Edward Island		1.357		-	-
Newfoundland		1.557			

Source: Tables 4.5 and 4.7.

TABLE 4.17. Household Income and Employment Generated Per Million Dollars of Final Sales Illustrative 12 x 12, Model I, Nova Scotia, 1965

Industry or domestic		Household	l income		Employment				Average income per	
production activity	Rank (1)	Direct (2)	Indirect (3)	Total (4)	Rank (5)	Direct (6)	Indirect (7)	Total (8)	employee (4) ÷ (8) (9)	
			\$'000		r	umber of	employees		\$	
Federal government:										
Civilian	1	644	182	826	5	123	39	162	5,099	
Education	2	618	160	778	6	119	34	153	5,085	
Federal government:										
Defence	3	653	119	772	9	108	25	133	5,804	
Forestry	4	712	52	764	10	123	10	133	5,744	
Distribution	5	613	117	730	4	152	25	177	4,124	
Hospitalization	6	499	197	696	1	187	43	230	3,026	
Mining	7	570	100	670	12	107	21	128	5,234	
Municipal government	8	371	298	669	8	73	63	136	4,919	
Primary fishing	9	548	113	661	2	191	24	215	3,074	
Transportation, etc	10	448	168	616	11	96	35	131	4,702	
Agriculture	11	433	179	612	3	172	41	213	2,873	
Provincial government	12	289	319	608	15	47	68	115	5,287	
Wood and paper manufacturing	13	359	245	604	13	71	52	121	4,911	
Construction	14	380	197	577	14	82	41	123	4,691	
Services, n.e.s.	15	442	109	551	16	87	23	110	5,010	
Food and textiles	16	254	375	529	7	61	80	141	3,752	
Steel and metal manufacturing	17	340	160	500	17	65	34	99	4,041	
Petroleum, chemicals	18	98	65	163	18	15	13	28	5,821	

Source: Tables 4.2, 4.8 A and 4.10 C.

TABLE 4.18. Induced Employment and Total Income Generated Per Employment of One Thousand Persons Illustrative 12 x 12, Model I, Nova Scotia, 1965

Industry	Direct employment (1)	Induced employment (2)	Total employment (3)	Total income (4)	Income per employee (5)
Agriculture	1,000	231	1,231	3,542.1	2,877
Forestry	1,000	92	1,092	6,268.8	5,743
Primary fishing	1,000	126	1,126	3,464.3	3,077
Mining	1,000	191	1,191	6,235.5	5,235
Food, textiles	1,000	1,312	2,312	8,709.1	3,767
Wood, paper manufacturing	1,000	707	1,707	8,514.9	4,987
Steel, metal manufacturing	1,000	523	1,523	7,724.8	5,071
Petroleum, chemicals	1,000	908	1,908	11,018.1	5,774
Construction	1,000	506	1,506	7,048.6	4,680
Transportation, communications	1,000	363	1,363	6,402.7	4,698
Distribution	1,000	160	1,160	4,780.7	4,121
Services, n.e.s.	1,000	259	1,259	6,312.2	5,015

III. Closing the System

In the model as presented thus far personal consumption is treated as final expenditure on goods and services, and household income generated within the domestic economy is treated as a primary input.

With the aid of the system of accounts presented in Chapter 2 we can close the model with respect to domestically generated household income. We may usefully call the augmented system Model II, to distinguish it from the open system described earlier, which we call Model I. Whereas in Model I we were concerned, on the demand side, with personal consumption expenditure on goods and services only, in Model II the addition of the two components of savings and income taxes is required to bring about the identity with personal income. Model II also separates personal expenditures financed from income generated within the domestic economy (endogenous), from personal expenditures which are exogenous to the system. In Model II, these exogenous expenditures consist of (a) expenditures financed by transfers to persons from municipal, provincial and federal governments, and (b) expenditures by non-resident tourists and personal expenditures by residents financed from income received from the 'rest of the world'.

The purpose of closing the model with respect to household income is to build in a household consumption multiplier, which enables us conveniently to calculate additional requirements for domestic production and primary inputs which arise when households spend the incomes they receive by participating in production. Although the assumptions necessary to close the model with respect to household income are crude, the estimates of the total generation of income (employment, etc.) associated with various final demand requirements are an undoubted improvement on the 'method' of the inspired guess.

Household consumption multiplier effects are generated and can be calculated with respect to every production activity. The increments in incomes, employment, production, etc. (i.e. the differences between Model I and Model II figures) are generated when people engaged — directly or indirectly — in a specific economic activity spend their household earnings on consumer goods. It is essential for policy makers to understand that the induced increments relating to the operation of the household consumption multiplier are independent

of the source of household income. Thus, household income received from personal transfer payments, such as unemployment insurance, social welfare, etc. generates induced income, employment and production in exactly the same manner as does income deriving from productive employment. It should thus be apparent that the results for any particular activity obtained from the impact tables of Model II should, for policy purposes, be compared with the results of other alternate activities on a Model II basis, or with the Model II induced economic impact of the social payments to which persons are entitled in the absence of direct employment.

The system can be closed yet another step by shifting local public sectors into the input-output matrix. In such a model, which we call Model III, taxes paid to municipal and provincial governments are no longer treated as leakages out of the domestic spending stream. These taxes become revenues to municipal and provincial governments and are re-spent in the pattern of the base year accounts of Chapter 2.

Although the assumption here is even less realistic than that necessary to create Model II, the result serves two major purposes: (a) it gives us an order of magnitude for the complete current expenditure input-output multipliers by maintaining in the spending stream disbursements made in the form of municipal and provincial taxes, (b) it enables us to estimate the impact on the domestic economy of federal transfer payments to provincial and municipal governments.

The caveats referred to with respect to Model II apply equally to Model III. The difference between Models II and III simply consists in the fact that Model II relates to the induced effects of consumption expenditure by households, whereas Model III adds to these the induced effects of expenditures by provincial and municipal governments financed by their tax receipts. When the system is closed on the Model III basis the only "leakages" remaining from incomes of provincial residents are personal savings and federal taxes. Personal consumption and expenditures of provincial, municipal, education and hospital institutions are endogenous to income creation in Model III.

In order to explain the closed input-output Models II and III we reproduce a schema of the transfer matrix of the income-outlay and capital finance accounts of Chapter 2.

In the diagram below incomes are entered in the rows and outlays in the columns of households, the provincial public sectors, the federal government and the rest of the world. In the case of the capital finance account, the row records sources and the column uses of funds. All entries t_{ij} are transfers of purchasing power between the seven income outlay accounts and the capital finance account. (The transfer t_{ij} is received by i from j.) Outlays on goods and services are denoted by the vector y in the case of domestic final demand. Outlays by the rest of the world on exports are denoted by x. Total outlay made by each account in the form of transfers is denoted by the vector θ' .

Closing the System with Respect to Households: Model II

Model II closes Model I with respect to household income. The new household industry delivers factor services to intermediate and to final users. It purchases consumer goods and services and primary inputs. The total output of the household industry in the base year is equal to household income earned from participation in the domestic economy, i.e., it equals the sum of all payments by industries and by domestic final producing sectors (provincial public sectors and the federal government) to households. Thus the household row in the primary input flow matrix Q_B:Q_D: of Model I becomes the household services commodity row of Model II. The input matrix of Model I is thus augmented by an additional row representing the commodity "household services" and an additional column representing the industry "households". The market share matrix J is similarly augmented by the addition of a row representing the industry "households" and a column for the commodity "household services". Household services are produced only by the household industry and the household industry produces only household services. In Model II household income is no longer a primary input.

The (augmented) matrices of Model II will be written as \overline{B} , \overline{J} , \overline{Q} , etc. and are again assumed to have m commodities, n industries, and 1 primary inputs.

The flow vector of the household industry in the matrix \overline{B} is obtained as follows:

(1) Output of the household industry is given by $g_1 = (1, 0, 0, ...) [Q_B; Q_D] i_{(n + p)}$

where $[Q_B:Q_D]$ is the primary input flow matrix of Model I. (\$1,049.2 million in Table 4.19)

- (2) It is assumed that all personal provincial income tax t₅₁, all personal federal income tax t₆₁, all expenditure by residents on out-of-province tourism t₇₁ and all personal savings t₈₁ derive from household income earned within the domestic economy.
- (3) The disbursements or inputs of the new household industry of Model II are obtained as follows:

$$h = \begin{matrix} \alpha & d_1 \\ \dots & + a \\ * \\ q_1 \end{matrix}$$
 (See page xx)

Where d_1 where d_1 where d_1 where d_1

sumption in $\overset{*}{\overset{*}{\underset{\dots}{\overset{*}{\mathop{\rm C}}}}}$ of Model I, $\overset{*}{\overset{*}{\underset{0}{\overset{*}{\mathop{\rm C}}}}}}$

 α is the flow scalar $(\overline{g}_1 - \theta_1)$

Where $\theta_1 = t_{51} + t_{61} + t_{71} + t_{81}$

a is a vector of same dimension as h $\overset{*}{d_1}$ and $\overset{*}{\ldots}$ which is empty in all cells

except four. In the appropriate four cells are contained the following value flows: provincial income tax t_{51} , federal income tax t_{61} , expenditure on out-of-province tourism t_{71} and total personal savings t_{81} . (See page xx).

The matrix of Model II is the matrix ... $\overline{Q}_D \hspace{1cm} Q_D$ of Model I with two changes:

(1) \overline{D} has an additional row representing the input of household services. This row is the household income primary input row of the flow matrix Q_D of Model I. $[\overline{Q}_D$ correspondingly has one row fewer than Q_D].

4 in a transfer			Income	outlay ac	counts				
t _{ij} is a transfer received by i from j	House- holds	Edu- cation	Hospi- taliza- tion	Muni- cipal	Provin- cial	Federal	Rest of the world	Capital finance	Total income
Outlay on goods and services	у ₁	У2	у3	У4	У5	У6	X	У8	
Income-outlay accounts:									
1. Households	_	William	- 1	t ₁₄	t ₁₅	t ₁₆	t ₁₇ 1	-	E ₁
2. Education	-	_	_	t ₂₄	t ₂₅	t ₂₆	_	t ₂₈	E ₂
3. Hospitalization	_	_		t ₃₄	t ₃₅	t ₃₆	-	t38	E ₃
4. Municipal	_	_	-	_	t45	t46	_	t48	. E ₄
5. Provincial	t ₅₁	_	-	t ₅₄	_	t ₅₆	_	t ₅₈	E ₅
6. Federal	t ₆₁	_	-	t ₆₄	t ₆₅		-	t ₆₈	E ₆
7. Rest of the world	t ₇₁ 1	_	_	_	-	_		-	E7
8. Capital finance account	t ₈₁		_	_	_	_	t ₈₇	-	E ₈
Total outlay on transfers (1 + 8)	θ_1	_	-	04	θ 5	θ6	θ 7	θ8	-
Total outlay	\mathbf{E}_1	E ₂	E ₃	E ₄	E ₅	E ₆	E ₇	E ₈	-

¹ All entries in this table correspond to the arrangements of entries of Tables 2.7 and 2.8 of Chapter 2, with the exception of the treatment of tourist expenditures. These, it will be recalled, were treated as a double adjustment to the household outlay in Tables 2.7 and 2.8 of Chapter 2. (Expenditures by non-resident tourists in the domestic market were subtracted and residents' expenditure on out-of-province tourism was added to household outlays in the row recording transactions with the rest of the world.) In Models II and III expenditures by non-resident tourists are treated as a transfer from the rest of the world to households; expenditures by residents on tourism out-of-the-province remain as a transfer by households to the rest of the world.

	Income			Income	outlay	accounts				Total	
	earned in domes- tic production	House- holds	Edu- cation	Hospi- taliza- tion	Muni- cipal	Provin- cial	Fe- deral	Rest of the world	Capital finance	income from transfers	Total income
Outlay on goods and services		1,035.6	92.2	61.9	31.1	94.3	240.5	- 57.3	212.4		
Income-outlay accounts:					;						
1. Households	1,049.2	_		_	4.0	14.1	93.1	22.31	-	133.5	1,182.7
2. Education	3.7	_	-	-	37.4	36.9	5.1	_	9.1	88.5	92.2
3. Hospitalization	5.0		-	_	3.2	30.0	22.5	_	1.2	56.9	61.9
4. Municipal	53.2			_	_	6.8	4.4		11.7	22.9	76.1
5. Provincial	85.1	13.8			0.4	: -	69.3		14.5	98.0	183.1
	70.5	61.9	_	! _	0	1.0	_	***	301.5	364.4	434.9
6. Federal	326.4	- 6.31	_	_		_	_	_	_	- 6.3	320.1
8. Capital finance account	117.6	77.7		_	-	-	_	355.1	-	432.8	550.4
Total outlay on transfers (1 + 8)		147.1	-	-	45.0	88.8	194.4	377.4	338.0		
					1				-		
Total outlay		1,182.7	92.2	61.9	76.1	183.1	434.9	320.1	550.4		

 $^{^{1}}$ For convenience, the tourist earnings of residents (\$21.3) have been subtracted from tourist expenditure by residents (\$15.0) to yield a net personal expenditure on tourism of \$-6.3. Alternative treatment would have shown \$15.0 in t_{71} and \$43.6 in t_{17} .

(2) The first vector ... in ... is obtained from q_1 q_2 q_3

where \overline{y}_1 is the scalar: $\overline{y}_1 = t_{14} + t_{15} + t_{16} + t_{17}$

Table 4.19 shows the base year flow accounts for Models I, II and III for Nova Scotia, 1965. It will assist the reader in the subsequent paragraphs:

(1) Exogenous personal income of \$154.8 million consists of sums received by households as transfer payments from municipal governments t_{14} ; from provincial governments t_{15} ; from the federal government t_{16} ; remittances and earnings from the "rest of the world" and expenditures by out-of-province tourists in the local economy t_{17} . It is assumed that this amount $(t_{14} + t_{15} + t_{16} + t_{17})$ is spent on commodities and primary inputs according to expenditure pattern of personal consumption in Model I. Note that the model assumes that all personal income taxes, t_{51} and t_{61} , all resident expenditures on tourism, t_{71} , and all personal savings, t_{81} , are paid from endogenously earned income.

(2) We note that total expenditure of the new household industry (\$1,049.2 million) plus personal expenditures from incomes not earned within domestic economy (\$154.9 million) exceed personal consumption of \$1,035.6 million) Model I by \$168.5 million. The following items of personal expenditure were excluded from personal consumption in Model I:

	Millions of dollars
Provincial income tax	13.8
Federal income tax	61.9
Residents tourist expenditure	15.0
Personal savings	77.8
Total	168.5

(3) $(g_1 - \theta_1) = \$1,049.2$ million minus \$168.5 million = \$880.7 million. The new household expenditure flow vector is obtained by the following addition:

Commodity Inputs	a	+	$\alpha \stackrel{\circ}{\mathrm{d}}_1$ $\qquad \qquad \qquad$	=	household income
1			[41.2]		41.2
2	0		_		_
			1.5		1.5
			5.6		5.6
·					
m (m + 1)	0				
(m + 1)	0		0		0
Sub-total intermediate inputs	0	+	698.0	=	698.0
Primary inputs (1) Education	0		7.4		7.4
(2) Hospital	0				
(3) Municipal	0		2.8		2.8
(4) Provincial	13.8		42.9		56.7
(5) Federal	61.9		53.1		115.0
(6) Rest of world	15.0		76.5		91.5
(7) Savings	77.8		0		77.8
Sub-total primary inputs	168.5		182.7		351.2
Totals	168.5		880.7		1,049.2

TABLE 4.19. Flow Accounts for Nova Scotia, 1965, Models I, II and III

		Model I										
	Indus- tries (12)	Personal consump- tion	Capital formation	Federal government: defence	Federal government civilian	Fduca- tion	Hospitali- zation	Municipal government	Provincial government	Exports (5)	Total demand Model	
			1		thous	ands of do	llars					
1. Agricultural products 2. Forestry products 3. Primary fish 4. Mining products 5. Food and clothing 6. Wood, paper products 7. Steel, metal products 8. Petroleum, chemicals 9. Construction 10. Transportation, communications 11. Distribution 12. Services, n.e.s.	22.5 14.1 48.9 22.0 30.1 56.6 98.9 57.3 34.0 121.8 38.4 130.4	48.4 0.2 1.7 6.6 198.3 14.9 50.3 37.3 - 54.1 131.7 277.2	- 0.5 0.1 - 2.9 0.3 0.3 88.6 1.1 119.6	2.0 1.0 0.7 20.6 1.6 10.1 1.9 2.8 4.5	0.1 - 0.1 0.4 0.3 4.4 0.5 26.3 2.6 1.1	14.4 4.1 1.7	0.3 - 0.4 2.4 0.8 1.6 0.5 10.6 1.8 2.9 2.7	0.6 0.2 0.3 0.7 0.4 7.8 3.4 0.6 3.0	2.4 2.0 0.5 33.4 8.4 1.7	7.8 6.3 5.5 40.2 112.2 49.7 108.9 20.2 23.0 15.0 3.8	78.6 20.9 56.1 74.9 344.9 128.7 377.7 120.5 256.4 221.1 196.0 431.9	
13. Total intermediate	675.0	820.7	212.4	45.2	37.2	28.6	24.0	17.0	54.7	392.6	2,307.6	
14. Households 15. Education 16. Hospitalization 17. Municipal government 18. Provincial government 19. Federal government 20. Rest of the world 21. Capital formation	766.7 49.9 34.7 22.0 205.6 117.6	3.7 5.0 3.3 50.4 62.5 90.0		87.7 - - - - 1.5	68.3	-	30.9	11.5		- 14.0	1,049.2 3.7 5.0 53.2 85.1 70.5 326.4 117.6	
22. Total primary	1,196.5	214.9	-	89.2	68.9	63.6	37.9	14.1	39.6	- 14.0	1,710.7	
23. Total output	1,871.5	1,035.6	212.4	134.4	106.1	92.2	61.9	31.1	94.3	378.7	4,018.3	
24. Final sales by industry less competitive imports						1,196.5						
						Model II						
	Indu trie (12	s	Households Model II	Tot: interme Mode	diate	Exogenous personal expenditure Model II	domes expe exci	n-total stic final nditure luding sonal nditure	Exports (5)	dei M	otal mand odel II	
					thou	isands of d	ollars			1		
1. Agricultural products 2. Forestry products 3. Primary fish 4. Mining products 5. Food and clothing 6. Wood, paper products 7. Steel, metal products 8. Petroleum, chemicals 9. Construction 10. Transportation, communications 11. Distribution 12. Services, n.e.s. 13. Households		22.5 14.1 48.9 22.0 30.1 56.6 98.9 57.3 34.0 121.8 38.4 130.4 766.7	41. 0. 1. 5. 168. 12. 42. 31. 46. 112. 235.	2 5 6 6 6 6 8 8 8 0 0 0 8	63.6 14.3 50.4 27.6 198.7 69.2 141.7 89.0 34.0 167.8 150.5 366.1 766.1	2	7.2 0.3 1.0 9.6 2.2 2.7.5 5.6 - 1.4 -	- 0.1 0.1 - 0.6 0.1 - 0.1 - 0.1 0.1 - 0.1 0.1 - 0.1 0.1	7 6 5 40 112. 49. 108. 20. - 23. 15.	3 5 2 2 7 9 9 2 0 0 0 8	78.6 20.9 56.1 74.9 344.9 128.7 377.7 120.5 256.4 221.1 196.0 431.9 1,049.2	
14. Total intermediate		1,441.7	698.	.0	2,139.7	12	2.7	(701.5)	392.	.6	3,356.6	
15. Education 16. Hospitalization 17. Municipal government 18. Provincial government 19. Federal government 20. Rest of the world 21. Capital formation		49.9 34.7 22.0 205.6 117.6	3. 4 2. 56 115 91 77	.2 .8 .7 .0 .6	3.2 4.2 52.7 91.4 137.0 297.2 195.4 781.1	1	0.5 0.8 0.5 7.5 9.3 3.5	(30.8)	- 14. - 14.	0	3.7 5.0 53.2 98.9 132.3 341.5 195.4	
22. Total primary		429.8 1,871.5	351 1,049		2,920.8		54.8	(732.3)	378	.7	4,186.5	
23. Total output		1,0/1.3	2,017									
24. Final sales by industry less competitive imports						781.1						

TABLE 4.19. Flow Accounts for Nova Scotia, 1965, Models I, II and III – Concluded

					Mod	delIII				
	Industries Model I (12)	House	holds	Education		Hospitali- zation	Munici gover ment	n-	Provincial government	Total inter- mediate sales
				tho	usand	ls of dollars				
	1	2.5	42.0			0.	2			64.
1. Agricultural products 2. Forestry products 3. Primary fish 4. Mining products 5. Food, clothing 6. Wood, paper, products 7. Steel, metal products 8. Petroleum, chemicals 9. Construction 10. Transportation 11. Distribution 12. Services, n.e.s. 13. Households 4. Education 15. Hospitalization 6. Municipal government 7. Provincial government	1- 44: 2: 3: 5: 9: 5: 3: 12: 3: 17:6:	22.5 4.1 4.1 88.9 22.0 90.1 90.1 97.3 84.0 91.8 88.4 90.4 90.4 90.4 90.4 90.4 90.4 90.4 90	42.0 0.2 1.5 5.7 172.1 12.9 43.7 32.4 	3.6 1.8 0.9 14.4 4.1 2.7 56.9	0 88 9 4 4 1 1 7 7 7 9 9	0. - 0. 2. 0. 1. 0. 10. 1. 2. 30.	4 4 4 8 6 6 6 6 8 8 9 9 7 7 8	0.6 0.2 0.3 0.7 0.4 7.8 3.4 0.6 3.0 15.5 37.4 3.2 -	2.4 2.0 0.5 33.4 8.4 1.7 6.2 41.3 36.9 30.0 6.8	64. 14. 50. 28. 204. 75. 148. 92. 100. 186. 159. 385. 911. 77. 37. 59.
18. Total intermediate	1,520		780.2	85.	5	54.	.9	73.5	169.6	2,690.
19. Federal government	20:	22.0 05.6 17.6	116.1 93.2 77.7	6.′		- 7.	t t	2.6	1.0 12.4 -	139. 327. 195.
22. Total primary	34	15.2	287.1	6.1	7	7.	.0	2.6	13.5	662.
Total output	1,87	1.5	1,067.3	92.2	2	61.	.9	76.1	183.1	3,352.
	Total inter- mediate sales	Exogenous personal expendi- ture	Goods ar	Federal government:		Federal govern- ment: civilian	Tran Federal: Transfers	Provinci public sector borrowin		Total domestic demand Model III
						ds of dollars				
1. Agricultural products 2. Forestry products 3. Primary fish 4. Mining products 5. Food and clothing 6. Wood, paper products 7. Steel, metal products 8. Petroleum, chemicals 9. Construction 10. Transportation, communications 11. Distribution 12. Services, n.e.s. 13. Households 14. Education 15. Hospitalization 16. Municipal government 17. Provincial government	64.8 14.4 50.4 28.8 204.9 75.9 148.8 92.1 100.2 186.5 159.6 385.6 911.3 77.5 37.5 59.6 92.7	6.4 - 0.2 0.9 26.2 2.0 6.6 4.9 - 7.1 17.4 36.6 - 0.5 0.7 0.4 6.7	- 0.: + 0.: - 2.9 0.: 0.: 88.4 1.: 119.6	.1 -9	- 2.0 1.0 0.7 0.6 1.6 0.1 1.9 2.8 4.5 7.7	0.1 - 0.1 0.4 0.3 4.4 0.5 26.3 2.6 1.1 1.4 68.3	5.1 22.5 4.4 69.3			3 20. 56. 74. 4. 128. 377. 2 120. 256. 0 221. 196. 8 431. 1,067. 92. 61. 183.
18. Total intermediate	2,690.0	116.6	212.	4 13.	3.0	105.5	101.3	36	392.	3,788.
19. Federal government	139.1 327.5 195.4	8.2 11.9	-	-	1.5	0.6	14.0 -		- 14.	0 133. 355. 195.
22. Total primary	662.0	20,1	7	-	1.5	0.6	14.0		- 14.	0 684
Totals	3,352.4	136.7	212.	.4 13	4.5	106.1	115.3	36	378.	7 4,472
Final sales by industries less competitive imports					6	562.0				

(4) The exogenous personal expenditure vector of Model II is obtained by distributing \$154.8 million in the pattern of personal consumption in the base year. Exogenous personal expenditure of \$154.8 million is obtained by adding:

	Millions of dollars
Transfer from municipal government t ₁₄	4.0
Transfer from provincial government t ₁₅	14.1
Transfer from federal government t ₁₆	93.1
Transfer and incomes from rest of the world	
t ₁₇	22.3
Sub-total	133.5
Non-resident tourism expenditures within	
the province	21.3
Total	154.8

When this is distributed according to the personal consumption pattern in the base year, \$122.7 million are purchases of commodities and \$32.1 million are purchases of primary inputs.

(5) We may note that intermediate purchases of the household industry of \$698.0 million plus intermediate purchases of the exogenous personal expenditure of \$122.7 million equals \$820.7 million which is the sum of all commodities purchased by exogenous personal consumption in Model I. The increase in the recorded spending of persons in Model II as compared with Model I consists of expenditures of \$168.5 million on primary inputs.

Thus:

Millions of dollars

Personal consumption of Model I $y_1 = 1,035.6$ plus expenditure on personal taxes, savings and tourism out of the province $\theta_1 = 168.5$ Total 1,204.1

while:

Output of new household industry $g_1 = 1,049.2$ plus exogenous personal consumption from incomes not arising from sale of services within domestic economy $y_1 = 154.8$ Total $1,204.1^{10}$ Solutions to Model II are identical to those developed for the Basic Model I:

Thus
$$\overline{R}_c = [I - (I - \hat{\mu}) \stackrel{*}{\overline{B}} \stackrel{*}{\overline{J}}]^{-1}$$

$$\overline{R}_I = [I - \stackrel{*}{\overline{J}} (I - \hat{\mu}) \stackrel{*}{\overline{B}}]^{-1}$$

and all other expressions of Model II are similarly identical to those of Model I.

As in Model I, a check on the system is given by:

$$\frac{*}{\overline{Q}_B}\left[I-\left(I-\hat{\mu}\right)\frac{**}{\overline{B}\overline{J}}\right]^{-1}\frac{*}{\overline{J}}\left[\left(I-\hat{\mu}\right)\left[\frac{*}{\overline{D}}\hat{y}\right]\left[\frac{*}{E}\hat{x}\right]i_{(p+x)}=Q_Bi_n$$

Closing the System with Respect to Local Public Sectors – Model III

In Model II household income deriving from the sale of household services to the provincial economy is assumed to be re-spent on the purchase of consumer goods and services. Payments of taxes to local government, however, are leakages out of the spending stream. Model III closes the system yet another step by shifting the local public sectors into the inter-industry matrix. In Model III, the \overline{B} matrix of Model II is augmented to $\overline{\overline{B}}$ by adding a further four rows and columns. These represent education, hospitalization, municipal government and provincial government. Primary inputs are thus reduced to three: payments to (or subsidies from) the federal government; import leakages and depreciation/savings.

Where there is no outlay on transfers the output of the newly created industries of Model III is equal to final expenditure on goods and services of the corresponding provincial public sectors of Model I. The level of output of the newly created education and hospitalization industries of Model III is identical with final expenditure on goods and services by education and hospitalization in Model I: in terms of the transfer matrix θ_2 and θ_3 are zero and y_2 and y_3 of Model I are equal to \overline{g}_2 and \overline{g}_3 of Model III.

Where there are outlays on transfers, total expenditure is no longer limited to expenditure on goods and services. Thus expenditure by municipal government consists of two elements:

y₄ expenditure on goods and services as shown in the municipal government column of the flow matrix D, of Model I.

¹⁰ Discrepancy due to rounding.

and

 θ_4 which consists of transfers t_{14} , t_{24} , t_{34} , t_{54} and t_{64} .

Expenditure of provincial government likewise consists of two elements:

y₅ expenditure on goods and services as shown in the provincial government columns of the flow matrix D of Model I

and

 θ which consists of transfers t_{15} , t_{25} , t_{35} , t_{45} and t_{65} .

The effect of Model III is to convert a dollar of revenue received by any one of the provincial public sectors into a typical dollar of expenditures, based on the allocation of expenditures between transfers to households, transfers to other provincial public sectors, and direct expenditures on goods and services. The data necessary to transform Model I into Model III are contained in the transfer matrix of pages 217 and 218. The reader is also invited to refer to Tables 2.7 and 2.8 of Chapter 2 and Table 4.2 of this chapter.

Model III augments the original Model I as follows:

- (1) Five new "commodities" and five new "industries" are introduced into the system. They represent households \overline{g}_1 ; educational expenditures \overline{g}_2 ; hospitalization expenditures \overline{g}_3 ; municipal government outlays \overline{g}_4 and provincial government outlays \overline{g}_5 .
- (2) Two new final demand expenditures are introduced to represent federal transfers to provincial public sectors (d_y); and net borrowing [deficit (+) and surplus (-)] of public sectors (d_y).

Thus the outputs of the four new public sector industries in Model III are equal to E_2 , E_3 , E_4 , E_5 as shown in the transfer matrix diagram.

(3) The two domestic final expenditure categories of the original coefficient matrix D of Model I are retained because they are useful for economic analysis. They are not however included in the balances of Model III. In other words, municipal and provincial ex-

penditures are intermediate rather than final expenditures of Model III. However we retain the spending pattern of municipal and provincial outlays or goods and services in the $\overline{\overline{\mathbb{D}}}$ matrix of Model III. The impact on the domestic economy resulting from these expenditures is different from the impact resulting from a typical dollar of municipal or provincial government outlays. The latter are based on expenditure patterns which include transfers, the former is confined to the impact of disbursements on goods and services only.

- (4) In Model III, the household industry is redefined: personal transfer payments made by municipal (t_{14}) and provincial governments (t_{15}) are intermediate transactions in Model III. The output of the household industry of Model III \overline{g}_1 thus equals the output of the household industry of Model II \overline{g} , plus t_{14} + t_{15} .
- (5) Exogenous personal expenditure of Model III, \overline{y}_1 is correspondingly lower than exogenous expenditure of Model II (\overline{y}_1) by the amount of personal transfer payments $t_{14} + t_{15}$.
- (6) Primary inputs $\overline{\overline{Q}}_D$ of Model III consist of three additive terms: payments to federal government; to the rest of the world, and to the capital finance account. As in all versions of the Model any number of non-additive primary inputs can of course be recorded.

Household Industry \overline{g}_1

- (1) Output of the household industry of Model III equals $\overline{g}_1 + t_{14} + t_{15}$. In terms of the accounts for Nova Scotia, 1965 the total output of the household industry is \$1,067.3 million (\$1,049.2 million + \$18.1 million).
- (2) The disbursements or inputs of the household industry of Model III are obtained in a similar manner to those of Model II. Thus:

$$h' = \alpha^1 \quad \begin{bmatrix} \binom{*}{d_1} \\ \cdots \\ q_1 \end{bmatrix} \quad + a$$

where α is the flow scalar $\left[\overline{\overline{g}}_1 - \theta_1\right]$

* d... is the coefficient vector of personal consump* q1
tion in D of Model I and the vector a is composed
...
* O

of the same four elements already described with respect to Model II.

The assumption used to construct the household industry of Model III, while formally the same as that used for Model II, differs in substance insofar as provincial and federal income taxes $(t_{51},\,t_{61})$; tourist expenditures out of the province (t_{71}) and personal savings (t_{81}) are now assumed to be paid from household income \overline{g}_1 which exceeds household income (g_1) of Model II by the sum of personal transfers received from municipal and provincial governments $(t_{14}+t_{15})$. Inasmuch as the amount of these payments is small relative to total household income, the (substantive) change in assumption has a very small effect on the outcome of the model. The crude nature of the proportionality assumption used in Model III would make it absurd to adjust for this difference.

Education Industry $\overline{\overline{g}}_2$ and the Hospital Industry $\overline{\overline{g}}_3$

Output here is identical to final expenditure on goods and services of Models I and II ($\overline{g}_2 = \$92.2$ million); $\overline{g}_3 = \$61.9$ million).

Input flows to the education industry \bar{h}_2 are equal to the flow vector $\begin{bmatrix} D_2 \\ \dots \\ Q_{D_2} \end{bmatrix}$ of Models I and II and input flows to the hospital industry \bar{h}_3 are equal to the flow vector $\begin{bmatrix} D_3 \\ \dots \\ Q_{D_3} \end{bmatrix}$ of Models I and II.

Expenditures on household income, which were primary in Model I (and thus contained in the Q_D portion of the expenditure vector) are of course intermediate in Models II and III and are thus contained in the D portion of the matrix $\begin{bmatrix} D_q \\ Q_D \end{bmatrix}$

Municipal Government Industry \$\bar{g}_4\$

The output of the municipal government industry of Model III equals

$$\overline{g}_4 = y_4 + \theta_4$$

where y_4 are municipal expenditures on goods and services in Models I and II, and θ_4 = t_{12} + t_{24} + t_{34} + t_{54} + t_{64} .

The transfer items refer to municipal transfers to households t_{14} ; to education t_{24} , to hospitals t_{34} , to provincial government, if any, t_{54} and to the federal government, if any, t_{64} .

In our example output of the municipal government industry is obtained from Table 2.2 in Chapter 2 as \$71.7 million, i.e. the sum of $y_4 = 31.1 million and $\theta_4 = 40.0 million.

The disbursements or inputs to the municipal government industry are obtained as

$$h_4 = D_4 + a_4$$

$$Q_{D_4}$$

where

 D_4 are inputs to the final expenditure vector for O_{D_4}

municipal government in the $\overset{D}{\dots}$ matrix of Models I and

II and a_4 is a vector containing the flows t_{14} , t_{24} , t_{34} , t_{54} and t_{64} in the appropriate rows.

Provincial Government Industry \$\bar{\bar{g}}_5\$

The procedure for obtaining total output and input flows is similar to that described with respect to the municipal government.

Thus
$$\bar{g}_5 = y_5 + \theta_5$$

Where y_5 are provincial outlays on goods and services in Models I and II and θ_5 = t_{15} + t_{25} + t_{35} + t_{45} + t_{65} .

Disbursements or inputs to provincial government are obtained as:

$$h_5 = D_5 + a_5$$

$$Q_{D_5}$$

where

 $D_{5}\,$ are inputs to the final expenditure vector for \dots

 Q_5

provincial government in $\,D\,$ of Models I and II and $\,\theta_4\,$

 $Q_{\mathbb{D}}$

is a vector containing the flows t_{15} , t_{25} , t_{35} , t_{45} + t_{65} in the appropriate rows.

The effect of Model III, as can be seen from Chart 3 is to transform the financing of educational and hospitalization services by municipal and provincial transfer into intermediate transactions; similarly, financing of municipal services from provincial transfers are intermediate transactions in Model III.

Final expenditure categories of Model III consist of the following:

- (i) Exogenous personal expenditure
- (ii) Capital formation
- (iii) Federal government purchases of goods and services:
- (iv) Federal government purchase of goods and services: civilian
- (v) Federal transfers to provincial public sectors
- (vi) Borrowing by provincial public sectors (excess of expenditure over revenues for taxes and transfers)

Exogenous personal expenditure $\overline{\overline{D}}_1$

Total exogenous personal expenditure $\overline{y}_1 = t_{16} + t_{17}$, i.e., expenditure financed from income received in the form of federal transfer payments to persons (t_{16}) and expenditure financed by the rest of the world, either in the form of incomes received by residents from sources external to the province or in the form of expenditures made by the province by non-resident tourists. For Nova Scotia, 1965 $\overline{y}_1 = \$136.7$ million.

Capital Formation and Federal Government Purchases of Goods and Services

Total expenditures here are equal to those of Models I and II. Inputs are the same as in Models I and II.

Federal Transfers to Provincial Public Sectors

Total expenditure on these transfers is $(\theta_6 - t_{16})$, i.e. the sum of transfers items t_{26} , t_{36} , t_{46} , and t_{56} . Inputs consist of the flows t_{26} , t_{36} , t_{46} and t_{56} placed in to the appropriate rows (see Table 3).

Borrowing by Provincial Public Sectors

Total expenditure here is the sum of provincial public sector borrowing θ_8 : $t_{28} + t_{38} + t_{48} + t_{58}$. Inputs are the flows t_{28} , t_{38} , t_{48} and t_{58} placed in to the appropriate rows (see Table 3).

Solutions of Model III are obtained as in Models I and II

Thus
$$\overline{\overline{R}}_{I} = [I - \frac{*}{\overline{J}} (I - \hat{\mu}) \frac{*}{\overline{\overline{B}}}] - 1$$

and $\overline{\overline{\overline{R}}}_{c} = [I - (I - \hat{\mu}) \frac{*}{\overline{\overline{B}}} \overline{\overline{J}}] - 1$

The check on the system is given by:

$$\bar{\bar{\bar{Q}}}_{\mathrm{B}}\left[\mathbf{I}-\bar{\bar{\bar{\mathbf{J}}}}\left(\mathbf{I}-\hat{\boldsymbol{\mu}}\right)\bar{\bar{\bar{\mathbf{B}}}}\right]^{-1}\bar{\bar{\bar{\mathbf{J}}}}\left[\left(\mathbf{I}-\hat{\boldsymbol{\mu}}\right)\bar{\bar{\bar{\mathbf{D}}}}\hat{\bar{\mathbf{y}}}:\bar{\mathbf{E}}\hat{\mathbf{x}}\right]\mathrm{i}_{(p+r)}=\bar{\bar{\mathbf{Q}}}_{\mathrm{B}}\mathrm{i}_{\mathrm{n}}$$

Some Illustrations of Models II and III

When households are treated as an (intermediate) industry in Model II the indirect impact of final deliveries is increased. This indirect impact now includes the requirements associated with supplying the goods and services typically purchased by households with incomes received from engaging in the various industries which are activated when one unit of product (or of industry output) is delivered for final use.

Table * 4.20 for example shows the matrix $[I - (I - \hat{\mu}) ^{**}BJ]^{-1}$ for Model II. Comparison with Table 4.4 of Model I illustrates the increase in direct and indirect requirements. The most interesting single figure in this table is the direct and indirect requirement of household services, found in row 13, column 13. It represents a general consumption multiplier, i.e. the expenditure of one dollar on wages, salaries or other forms of income accruing to residents generates an additional 42.5 cents of household income by activating industries which produce the goods and services which are typically consumed by households. In general, row 13 of Table 4.20 records total household income generated by final

delivery of one dollar of domestically produced product. Thus one dollar of primary forest product delivered for final use generates a total household income of \$1.05; one dollar of construction activity generates \$0.82; one dollar of non-metallic mineral and petroleum products generates \$0.24, while one dollar of average income paid to residents generates an additional \$0.425.

Table 4.21 shows the similar matrix of Model III, in which we may recall, taxes paid to provincial and municipal governments are assumed to be spent by provincial public sectors in accordance with spending patterns in the base year. Indirect requirements associated with delivery for final use of any product are, accordingly, greater than those of Model II. Here again special interest attaches to the entry in row 13, column 13 which shows total income generated when one dollar is paid out to households in the form of wages, salaries, etc. In Model III we observe that an additional 60.6 cents of household income is generated. Thus, when locally paid taxes remain within the system there is an increase of 42.8% in indirectly generated income. If we consider 1.425 and 1.606 as the consumption multipliers corresponding to Models II and III respectively, there is an increase of 12.7% in this multiplier. One dollar of primary forest product delivered for final use now generates \$1.25 of household income; one dollar of construction activity \$0.96; one dollar of non-metallic mineral, petroleum and chemical products \$0.29. Table 4.21 also indicates the degree to which the four provincial public sectors in the system are activated. Thus delivery of one dollar of household services requires 5.6 cents of educational services, 2.8 cents hospital services, 11.5 cents of provincial government services and 5.6 cents of municipal services. In this model these estimated requirements for public sector services equal estimated revenues of these public sectors.

From the expression
$$\overset{\text{*}}{\overset{\text{V}}{\overset{\text{N}}}{\overset{\text{N}}{\overset{\text{N}}{\overset{\text{N}}{\overset{\text{N}}{\overset{\text{N}}{\overset{\text{N}}{\overset{\text{N}}{\overset{\text{N}}}{\overset{\text{N}}{\overset{\text{N}}{\overset{\text{N}}{\overset{\text{N}}{\overset{\text{N}}}{\overset{\text{N}}{\overset{\text{N}}}{\overset{\text{N}}{\overset{\text{N}}}{\overset{\text{N}}{\overset{\text{N}}{\overset{\text{N}}{\overset{\text{N}}}{\overset{\text{N}}{\overset{\text{N}}}{\overset{\text{N}}}{\overset{\text{N}}{\overset{\text{N}}}{\overset{\text{N}}{\overset{\text{N}}}{\overset{\text{N}}}{\overset{\text{N}}}{\overset{\text{N}}}{\overset{\text{N}}}{\overset{\text{N}}{\overset{\text{N}}}}{\overset{\text{N}}{\overset{\text{N}}}{\overset{\text{N}}}{\overset{\text{N}}}{\overset{\text{N}}}{\overset{\text{N}}}}}{\overset{\text{N}}{\overset{\text{N}}{\overset{N}}}}{\overset{\text{N}}}{\overset{\text{N}}{\overset{N}}}}{\overset{\text{N}}{\overset{N}}}{\overset{N}}}{\overset{N}}{\overset{N}}{\overset{N}}{\overset{N}}}{\overset{N}}{\overset{N}}{\overset{N}}{\overset{N}}}{\overset{N}}{\overset{N}}}{\overset{N}}{\overset{N}}{\overset{N}}{\overset{N}}}{\overset{N}}{\overset{N}}{\overset{N}}{\overset{N}}}{\overset{N}}{\overset{N}}{\overset{N}}{\overset{N}}{\overset{N}}}{\overset{N}}{\overset{N}}{\overset{N}}{\overset{N}}}{\overset{N}}{\overset{N}}{\overset{N}}{\overset{N}}{\overset{N}}}{\overset{N}}{\overset{N}}{\overset{N}}{\overset{N}}}}{\overset{N}}{\overset{N}}{\overset{N}}{\overset{N}}{\overset{N}}}{\overset{N}}}{\overset{N}}{\overset{N}}{\overset{N}}{\overset{N}}}{\overset{N}}{\overset{N}}{\overset{N}}{\overset{N}}{\overset{N}}}{\overset{N}}{\overset{N}}{\overset{N}}{\overset{N}}}{\overset{N}}{\overset{N}}{\overset{N}}{\overset{N}}}{\overset{N}}}{\overset{N}}{\overset{N}}{\overset{N}}{\overset{N}}{\overset{N}}}{\overset{N}}{\overset{N}}{\overset{N}}{\overset{N}}}{\overset{N}}{\overset{N}}{\overset{N}}{\overset{N}}{\overset{N}}}{\overset{N}}{\overset{N}}{\overset{N}}{\overset{N}}}{\overset{N}}{\overset{N}}{\overset{N}}{\overset{N}}{\overset{N}}}{\overset{N}}{\overset{N}}{\overset{N}}{\overset{N}}{\overset{N}}{\overset{N}}{\overset{N}}{\overset{N}}}{\overset{N}}{\overset{N}}{\overset{N}}{\overset{N}}{\overset{N}}{\overset{N}}{\overset{N}}{\overset{N}}}{\overset{N}}{\overset{N}}{\overset{N}}}{\overset{N}}{\overset{N}}{\overset{N}}}{\overset{N}}{\overset{N}}{\overset{N}}{\overset{N}}{\overset{N}}{\overset{N}$$

Models II and III (Tables 4.22, 4.23) we can obtain requirements of primary inputs associated with delivery for final use of one unit of product. Thus for example, delivery of one unit of primary forest product for final use in Model II generates 13.1 cents in federal revenue; 20.8 cents in total indirect taxes; 15.2 cents in noncompetitive imports. Corresponding results for Model III are federal revenue 15.6 cents; indirect taxes 24.2 cents; non-competitive imports 19.1 cents. From Tables 4.22 and 4.23 we may note, in particular, that one dollar

spent on wages, salaries and other forms of local household income generates 16.9 cents in federal revenue in Model II and 19.1 cents in Model III. These results yield a first estimate of the "feedback" to the federal government from expenditures on labour services or on personal transfer payments in Nova Scotia. The estimate is, of course, incomplete because the federal revenues deriving from incomes which accrue in other Canadian provinces are not included in these figures. They are, from the point of view of the provincial economy, an "import leakage".

It is possible to construct, for Models II and III tabulations of household income and employment similar to that shown in Table 4.13 for Model I. In Model II, exogenous expenditure consists of spending by the federal government; provincial public sectors; industries (capital formation) and the rest of the world (exports, spending by non-resident tourists, etc.).

In Table 4.24 we may note that \$319.7 million (30.5%) of total household income of \$1,049.2 million is generated by federal expenditures; \$328.0 million (31.3%) by the rest of the world; \$283.9 (27.0%) by provincial public sectors and \$117.6 million (11.2%) by capital expenditures of industries. A similar breakdown with respect to employment yields similar results. We note that total employment generated is 228,000 which corresponds with employment totals shown in Tables 3.2 and 4.13.

In Model III provincial public sectors are considered as endogenous to the economy. Thus exogenous expenditures are reduced to three main categories: federal spending, capital expenditures by industries and expenditures by the rest of the world. There is a fourth item necessary to complete the account. This is the sum of net borrowing by public sectors. In Table 4.25 we thus observe that \$495.4 million (46.4%) of household income is generated by federal spending and transfers; \$128.4 million or 12% by industrial capital expenditures; \$399.7 million (39.5%) by exports and tourist expenditures or remittances from non-residents and \$43.9 million (4.1%) by public sector borrowing. The reason why the federal government assumes a greater weight in income generation in Model II is because federal grants and transfers to provincial governments are now shown as originating with federal government. It should be noted that total household income in Model III (\$1,067.4 million) exceeds that of Model II by \$18.2

TABLE 4.20. Direct and Indirect Requirements for Commodities Per Unit Commodity Output for Final Use
Illustrative 12 x 12 Model II, Nova Scotia, 1965

		1114311411	re 12 x 12 Mode.					T
No.	Inputs	Agriculture products	Forestry products	Fish	Mining products	Food, textiles	Wood, paper	Steel, metals
IVO								
1	Agriculture products	1.036	.035	.031	.030	.094	.027	.022
2	Forestry products	.014	1.007	.004	.017	.006	.153	.003
3	Fish	.031	.020	1.020	.016	.220	.015	.012
4	Mining products	.019	.013	.016	1.013	.012	.011	.040
5	Food, textiles	.152	.094	.096	.073	1.100	.070	.055
6	Wood, paper	.018	.016	.026	.027	.036	1.062	.016
7	Steel, metals	.021	.025	.041	.044	.025	.026	1.067
8	Petroleum chemicals	.086	.057	.084	.043	.050	.054	.054
9	Construction	.053	.036	.026	.036	.028	.028	.041
10	Transportation, communications	.124	.128	.139	.123	.146	.172	.178
11	Distribution	.131	.137	.134	.123	.120	.135	.125
12	Services, n.e.s.	.383	.343	.332	.346	.288	.337	.255
13	Household income	.872	1.053	.941	.955	.754	.864	.714
14	Totals	2.940	2,963	2.889	2.846	2.877	2.954	2.582
		Petroleum, chemicals	Con- struction	Transportat communic tions	ion, Dis	tri- ion	Services n.e.s.	House- holds
		chemicals	struction	communic	ca- but	ion	n.e.s.	holds
1		chemicals	struction .026	communic	.027	.032	n.e.s.	holds .044
2	Forestry products	.007	.026	communic	.027	ion	n.e.s.	holds
2	Forestry products	.007 .001	.026 .009	communic	.027	.032	n.e.s.	.044 .003
3 4	Forestry products Fish Mining products	.007	.026	communic	.027	.032	.024 .004	.044
2 3 4 5	Forestry products Fish Mining products Food, textiles	.007 .001	.026 .009	communic	.027 .003 .015	.032 .003	.024 .004 .013	.044 .003
2 3 4 5	Forestry products Fish Mining products	.007 .001 .004	.026 .009 .014	communic	.027 .003 .015 .014	.032 .003 .017	.024 .004 .013 .026	.044 .003 .023
2 3 4 5	Forestry products Fish Mining products Food, textiles	.007 .001 .004 .012	.026 .009 .014 .031	communic	.027 .003 .015 .014	.032 .003 .017 .013	.024 .004 .013 .026	.044 .003 .023 .014
2 3 4 5 6	Forestry products Fish Mining products Food, textiles Wood, paper	.007 .001 .004 .012 .018	.026 .009 .014 .031 .064	communic	.027 .003 .015 .014 .068	.032 .003 .017 .013 .080	.024 .004 .013 .026 .062	.044 .003 .023 .014 .109
2 3 4 5 6 7 8	Forestry products Fish Mining products Food, textiles Wood, paper Steel, metals	.007 .001 .004 .012 .018 .007	.026 .009 .014 .031 .064 .059	communic	.027 .003 .015 .014 .068 .016	.032 .003 .017 .013 .080 .017	.024 .004 .013 .026 .062 .025	.044 .003 .023 .014 .109 .018
2 3 4 5 6 7 8	Forestry products Fish Mining products Food, textiles Wood, paper Steel, metals Petroleum, chemicals	.007 .001 .004 .012 .018 .007 .009	.026 .009 .014 .031 .064 .059 .049	communic	.027 .003 .015 .014 .068 .016 .024	.032 .003 .017 .013 .080 .017 .020	.024 .004 .013 .026 .062 .025 .016	.044 .003 .023 .014 .109 .018
2 3 4 5 6 7 8 9	Forestry products Fish Mining products Food, textiles Wood, paper Steel, metals Petroleum, chemicals Construction	.007 .001 .004 .012 .018 .007 .009 1.024	.026 .009 .014 .031 .064 .059 .049 .100	communic	.027 .003 .015 .014 .068 .016 .024 .071	.032 .003 .017 .013 .080 .017 .020 .043	.024 .004 .013 .026 .062 .025 .016 .040	.044 .003 .023 .014 .109 .018 .021 .046
2 3 4 4 5 6 7 8 8 9 10 111	Forestry products Fish Mining products Food, textiles Wood, paper Steel, metals Petroleum, chemicals Construction Transportation, communications	.007 .001 .004 .012 .018 .007 .009 1.024 .019	.026 .009 .014 .031 .064 .059 .049 .100 1.025	communic	.027 .003 .015 .014 .068 .016 .024 .071 .048	.032 .003 .017 .013 .080 .017 .020 .043	.024 .004 .013 .026 .062 .025 .016 .040	.044 .003 .023 .014 .109 .018 .021 .046
2 3 4 5 6 7 8 9 10 11 12	Forestry products Fish Mining products Food, textiles Wood, paper Steel, metals Petroleum, chemicals Construction Transportation, communications Distribution	.007 .001 .004 .012 .018 .007 .009 1.024 .019 .057	.026 .009 .014 .031 .064 .059 .049 .100 1.025 .187	communic	.027 .003 .015 .014 .068 .016 .024 .071 .048 1.176 .126	.032 .003 .017 .013 .080 .017 .020 .043 .028	.024 .004 .013 .026 .062 .025 .016 .040 .061 .127 .100	.044 .003 .023 .014 .109 .018 .021 .046 .023 .118
2 3 4 5 6 7 8 9 10 11 12	Forestry products Fish Mining products Food, textiles Wood, paper Steel, metals Petroleum, chemicals Construction Transportation, communications Distribution Services, n.e.s.	.007 .001 .004 .012 .018 .007 .009 1.024 .019 .057 .041	.026 .009 .014 .031 .064 .059 .100 1.025 .187 .155	communic	.027 .003 .015 .014 .068 .016 .024 .071 .048 1.176 .126 .426	.032 .003 .017 .013 .080 .017 .020 .043 .028 .195	n.e.s. .024 .004 .013 .026 .062 .025 .016 .040 .061 .127 .100 1.302	.044 .003 .023 .014 .109 .018 .021 .046 .023 .118 .164 .394

Source: Table 4.4 of Model II.

TABLE 4.21. Direct and Indirect Requirements for Commodities Per Unit Commodity Output for Final Use
Illustrative 12 x 12 Model III. Nova Scotia. 1965

	Illustrative 12 x 12 Model III, Nova Scotia, 1965													
No.	Inputs	Agricultural products	Forestry products	Fish	Mining products	Food, textiles	Wood, paper	Steel, metals	Petroleum, chemicals	Construc- tion				
1	Agricultural products	1.042	.041	.036	.035	.098	.032	.026	.009	.030				
2	Forestry products	.016	1.008	.005	.018	.007	.153	.004	.002	.010				
3	Fish	.035	.024	1.023	.019	.223	.018	.014	.005	.016				
4	Mining products	.023	.017	.018	1.017	.014	.015	.043	.013	.034				
5	Food, textiles	.167	.111	.110	.087	1.112	.083	.065	.022	.075				
6	Wood, paper	.024	.023	.032	.033	.040	1.067	.021	.008	.064				
	St. 1. matel	.027	.031	.046	.050	.029	.031	1.070	.011	.054				
7	Steel, metals	.027	.069	.094	.053	.059	.064	.062	1.027					
8	Petroleum, chemicals	.096	.087	.068	.077	.063	.068	.072						
9	Construction	.158	.166	.170	.154	.172	.202	.201	.067					
10	Transportation, communication	.159	.168	.160	.149	.141	.160	.145		I				
11	Distribution	.452	.419	.395	.409	.341	.397	.303	.135	1				
12	Services, n.e.s.	.432	.417	.575	.407	.541	.571	1200	1					
13	Household income	1.055	1.255	1.110	1.123	.896	1.025	.841	.287	.962				
14	Education	.064	.060	.050	.052	.045	.051	.041	.016	.045				
15	Hospital	.022	.030	.025	.024	.020	.022	.018	.007	.020				
16	Provincial government	.086	.138	.115	.104	.086	.097	.074	.032	.082				
17	Municipal government	.089	.058	.049	.058	.051	.059	.049	.018	.051				
10	Total output	3.610	3.705	3.509	3,460	3.396	3.545	3.049	1.741	3.385				
18	Total Output	Transpor-												
		tation, communi- cation	Distri- bution	Services n.e.s.	House- holds	Educa- tion	Hospital		vincial ernment	Municipal government				
						ļ								
1	Agricultural products	.034	.038	.033	.050	.039	.04	40	.036	.038				
2	Forestry products		.004	.006	.005	.00	.00	06	.007	.007				
3	Fish		.021	.018	.027	.021	.02	23	.020	.021				
4	Mining products	0.4 #	.016	.031	.018	.019	.02	23	.021	.027				
5	Food, textiles	004	.095	.083	.124	.098	.10	06	.091	.096				
6	Wood, paper	004	.023	.034	.024	.044	.03	34	.042	.039				
			0.26	.024	.027	.034	1 .03	34	.035	.035				
7	Steel, metals		.026	.024	.057	.06			.068	.070				
8	Petroleum, chemicals	000	.054	.124	.068	.21		30	.309	.252				
9	Construction	1	.229	.176	.152	.19			.213	.221				
10	Transportation, communication	1.00		.140	.192	.18			.176	.179				
11	Distribution	1	1.156	1.401	.462	.42		08	.423	.450				
12	Services, n.e.s.	.503	,477	1,401										
13	Household income	1.084	1.223	1.052	1.606	1.26	1		1.130	1.215				
14	Education		.058	.095	.056	1.04	.0.	46	.266	.542				
15	Hospital		.026	.030	.028	.02			.187	.066				
16	Provincial government		.110	.120	.115	.09		89	1.091	.102				
17	Municipal government	.066	.065	.137	.056	.05	2 .0	50	.089	1.054				
18	Total output	3.647	3.695	3.560	3.068	3.84	0 3.6	79	4.204	4.414				

Source: Table 4.4 of Model III.

TABLE 4.22. Direct and Indirect Primary Input Requirements Per Unit Commodity Output delivered for Final Use
Illustrative 12 x 12 Model II, Nova Scotia, 1965

No.	Primary inputs	Agricultural products	Forestry products	Fish	Mining products	Food textiles		Steel, metals
	Depreciation	.048	.243	.207	.19	96	.162 .181	1 .150
	Education and hospital	.006	.007	.007	.00		.005 .006	
	Provincial revenue	.071	.122	.101	.09	90	.074 .083	3 .063
		.078	.044	.037	.04	17	.041 .048	8 .041
1	Federal revenue	.073	.131	.114	.13	36	.107 .130	0 .095
6	Import leakage	.216	.199	.213	.23	.9	.272 .281	1 .328
7	Total primary	.668	.748	.679	.71		.662 .731	.682
8	Taxes	.186	.208	.177	.17	74	.144 .162	2 .131
	Subsidies	048	015	013	00)9	.012011	1015
	Non-competitive imports	.166	.152	.165	.14	19	.216 .183	3 .253
11	[Wages	.380	.526	.481	.76	54	.485 .590	.588
12	Factor incomes	.936	1.120	1.004	1.07	17	.842 1.005	.815
13	Gross Domestic Product	1.298	1.557	1.374	1.43	37 1.	.135	7 1.081
14	Employment	.272	.217	.279	.19		.192 .180	.147
		Petroleum, chemicals	Construc- tion	Transporta communica		Distri- bution	Services, n.e.s.	House- holds
1		000						
	Depreciation	.082		59	.287	.221	.221	.183
	Education and hospital	.002		06	.006	.007	.006	.010
	Provincial revenue	.028			.119	.095	.098	.101
5	Federal revenue	.014		42	.052	.053	.122	.044
	I men out took on	.058			.094	.158	.111	.169
		.142	.21	65	.224	.247	.256	.229
7	Total primary	.927	.6:	56	.782	.782	.812	.735
8	Taxes	.048	.1	50	.203	.184	.250	.205
9	Subsidies	003	03	11	042	012	018	010
10	Non-competitive imports	.644	.2	02	.155	.156	.174	.174
11	Wages	.172	.6	29	.682	.684	.447	.264
12	Factor incomes	.371	.9	08	.982	1.183	.904	.484
13	Gross Domestic Product	.497	7 1.20	06	1.429	1.577	1.356	.862
14	Employment	.045	.1	79	.191	.248	.165	.097
-	Source: Table 4.9 of Model II						1200	

Source: Table 4.9 of Model II.

TABLE 4.23. Direct and Indirect Primary Input Requirements Per Unit Commodity Output delivered for Final Use
Illustrative 12 x 12 Model III, Nova Scotia, 1965

	Illustrative 12 x 12 Model III, Nova Scotia, 1965													
No.	Primary inputs	Agricultural products	Forestry products	Primary fishing	Mining products	Food, textile products	Wood paper products	Steel, metal products	Non-metals, petroleum, chemicals	Construc- tion				
									1					
1	Depreciation	.252	.274	.232	.222	.18	4 .20	6 .170	.090	.180				
2	Federal revenue	.096	.156	.135	.157	.12	.15	0 .111	.065	.131				
3	Import leakage	.270	.261	.265	.290	.31	.5 .33	.366	.757	.307				
4	Total primary	.618	.691	.632	.668	.62	.68	.647	.913	.618				
5	Taxes	.217	.242	.205	.202	.16	57 .18	.152	.056	.173				
6	Subsidies	050	017	015	011	01	0	016	004	012				
7	Non-competitive imports	.201	.191	.198	.182	.24	43 .2	.277	.654	.229				
8	Wages	.515	.672	.604	886	.5	88 .7	.681	.209	.731				
9	Factor incomes	1.130	1.335	1.183	1.255	.99	92 1.1	76 .951	.425	1.056				
10	Gross Domestic Product	1.549	1.834	1.605	1.667	1.3	29 1.5	1.256	.568	1.397				
11	Employment	.310	.259	.314	.228	.2	21 .2	14 .174	.055	.208				
		Transpor- tation, communica- tion	Distri- bution	All oth		ouse- old	Education	Hospital	Provincial govern- ment	Municipal government				
1	Depreciation	.319	9 .24	19	.262	.210	.189	.176	.182	.192				
	Federal revenue	.11	9 .11	80	.144	.191	.154	.141	.145	.150				
	Import leakage	.28	7 .30	03	.334	.284	.336	.362	.359	.340				
	Total primary	72	1					470	.686	.681				
	Total primary	.72	5 .7	32	.740	.685	.679	.678						
	Total primary				2				.187	.199				
;	Taxes	.23	7 .2	15	.294	.236	.200	.184						
,		.23	7 .2	15	.021	.236	.200	.184	.187	.199				
}	Taxes	.23	7 .2	15	.294	.236	.200 012 .227	.184	.187	.199				
1	Taxes	.23	7 .2 .50 .1	15	.021	.236	.200	.184 011 .270	.187	.199				
1	Taxes	.23	7 .2 5 0 5 .1 12 .8	15 - 91 17	.294	.236	.200 012 .227	.184	.187	.199013 .227 .916				
,	Taxes		7 .2 .50	15 14 - 91 17 77	.294 .021 .225	.236 012 .209 .397	.200 012 .227	.184 011 .270	.187	.199				

Source: Table 4.9 of Model III.

TABLE 4.24. Direct and Indirect Generation of Household Income and Employment by Final Expenditure Categories
Illustrative 12 x 12 Model II, Nova Scotia, 1965

Titul days and an Associate	Household	1 income	Employment			
Final demand categories	\$ millions	%	000°	%		
Federal government:						
Personal transfers 1	47.1	4.5	10.8	4.7		
Defence Civilian	147.8 124.8	14.1 11.9	28.0 25.6	12.3 11.2		
Sub-totals	319.7	30.5	64.4	28.2		
Exports:						
Foreign Canada Atlantic Provinces Tourists and other rest of world income ¹	112.9 151.5 41.5 22.1	10.8 14.4 4.0 2.1	25.7 33.6 9.7 5.0	11.3 14.7 4.3 2.2		
Sub-total of exports	328.0	31.3	74.0	32.5		
Provincial public sectors:						
Education	102.1 61.4	9.7 5.8	21.1 18.5	9.3 8.1		
Municipal: Goods and services Transfers	29.6 2.0	2.8 0.2	6.2 0.5	2.7 0.2		
Provincial: Goods and services Transfers¹	81.7 7.1	7.8 0.7	16.5 1.6	7.2 0.7		
Sub-total of provincial public sectors	283.9	27.0	64.4	28.2		
Capital formation and inventory change	117.6	11.2	25.4	11.1		
Total	1,049.2	100.0	228.2	100.0		

¹ The sum of these items equals Exogenous Personal Expenditure.

Source: Tables 4.10 (iii) and 4.11 for Model II.

TABLE 4.25. Direct and Indirect Generation of Household Income and Employment by Final Expenditure Categories

Illustrative 12 x 12 Model III, Nova Scotia, 1965

Final demand categories	Household	income	Employment			
	\$ millions	%	000's	%		
Federal government:						
Transfers to government 1	116.5	10.9	25.9	11.3		
Transfers to persons ¹	66.1	6.2	14.6	6.4		
Goods and services:						
Defence	169.3	15.9	32.3	14.1		
Civilian	143.5	13.4	29.4	12.9		
Sub-totals	495.4	46.4	102.2	44.7		
Capital formation	128.4	12.0	27.5	12.1		
Exports:						
Foreign	136.2	12.8	31.0	13.6		
Canada	184.0	17.3	40.7	17.9		
Atlantic Provinces	48.4	4.5	10.9	4.8		
Other (tourists, etc.) ¹	31.1	2.9	6.8	3.0		
Sub-total of exports	399.7	37.5	89.4	39.3		
Public sector borrowing	43.9	4.1	9.1	3.9		
Totals	1,067.4	100.0	228.2	100.0		

¹ The sum of these items equals Exogenous Personal Expenditure. Source: Tables 4.10 C and 4.11 of Model III.

TABLE 4.26. Direct and Indirect Import Generation by Final Demand Expenditures Categories Illustrative 12×12 Model II, Nova Scotia, 1965

Final demand categories	Competitive imports	Non- competitive imports	Total import content	Percentage distribution of import content
		millions of dollars	Ī	%
Federal government: Personal transfers 1	29.4	19.3	48.7	4.1
Goods and services: Defence Civilian	48.0 32.6	22.8 19.3	70.8 51.9	10.3 7.6
Sub-totals	110.0	61.4	171.4	25.0
Exports: Foreign Canada Atlantic Provinces Other (tourism, etc.) Sub-totals	41.2 56.8 15.8 13.8	27.8 39.9 21.8 9.1	69.0 96.7 37.6 22.9 226.2	10.1 14.1 5.5 3.3 33.0
Provincial public sectors: Education	25.6	18.1 15.0	43.7	6.4 4.7
Municipal: Goods and services Transfers	8.5 1.3	6.1 0.8	14.6 2.1	2.1 0.3
Provincial: Goods and services Transfers\	25.6 4.4	16.1	41.7	6.1 1.1
Sub-totals	82.8	59.0	141.8	20.7
Capital formation	115.5	30.9	146.4	21.3
Totals	435.9	249.9	685.8	100.0

¹ The sum of these items equals Exogenous Personal Expenditure.

TABLE 4.27. Domestic and Import Content of Final Expenditures
Illustrative 12 x 12 Model II, Nova Scotia, 1965

Illustrative 12 x 12 inductify nove beday 2.2.2												
	Total expenditure	Import	Domestic	Total supply			Ratios					
Final demand categories	on goods and services	content	content	require- ments (2) + (3)	(2) ÷(1)	(3) ÷ (1)	(4) ÷ (1)	(2) ÷ (4)	(3) ÷ (4)			
	1	2	3	4	5	6	7	8	9			
		millions o	f dollars									
Federal government: Personal transfers 1	93.0	48.7	87.4	136.1	.52	.94	1.46	.36	.64			
Goods and services: Defence Civilian	134.4 106.1	70.8 51.9	198.6 168.4	269.4 220.3	.53 .49	1.48 1.59	2.00 2.08	.26 .24	.74 .76			
Sub-totals	333.5	171.4	454.5	625.8	.51	1.36	1.88	.27	.73			
Exports: Foreign Canada Atlantic Provinces Other (tourism, etc.) ¹ Sub-total of exports	137.6 176.0 65.1 43.7 422.4	69.0 96.7 37.6 22.9 226.2	171.7 217.0 65.3 41.0 495.6	241.3 313.7 102.9 63.9 721.8	.51 .55 .58 .52 .54	1.25 1.23 1.00 .94 1.17	1.75 1.78 1.58 1.46 1.71	.29 .31 .37 .36	.71 .69 .63 .64			
Provincial public sectors: Education	92.1 61.9	43.7 32.4	141.8 85.6	185.5 118.0	.47	1.54 1.38	2.01 1.91	.24	.76 .73			
Municipal: Goods and services Transfers ¹	31.1	14.6 2.1	43.6 3.8	58.2 5.9	.47 .52	1.40	1.87 1.48	.25	.75 .64			
Provincial: Goods and services Transfers 1	94.4 14.1	41.7 7.3	127.3 13.2	169.0 20.5	.44	1.35 .94	1.79 1.45	.25	.75			
Sub-totals	297.6	141.8	415.3	557.1	.48	1.40	1.87	.25	.75			
Out to 1 Comment on	212.4	146.4	173.4	319.8	.69	.82	1.51	.46	.54			
Capital formation	12650	685.8	1,538.7	2,224.5	.54	1.22	1.76	.31	.69			

¹ The sum of these items equals Personal Exogenous Expenditure.

TABLE 4.28. Direct and Indirect Import Generation by Final Expenditure Categories Illustrative 12×12 Model III, Nova Scotia, 1965

Final demand categories	Competitive imports	Non- competitive imports	Total import content	Percentage distribution of import content
		millions of dollars		%
Federal government:	I			
Transfers to governments	32.0	23.2	55.2	8.1
Transfers to persons	34.4	22.8	57.2	8.3
Goods and services:	1			
Defence	53.7	26.9	80.6	11.8
Civilian	37.3	22.6	59.9	8.7
Sub-totals	157.4	95.5	252.9	36.9
Capital formation	121.0	34.8	155.8	22.7
Exports:				
Foreign	47.0	31.9	78.9	11.5
Canada	64.8	45.5	110.3	16.1
Atlantic Provinces	18.0	23.3	41.3	6.0
Other (tourism, etc.)	16.1	10.7	26.8	3.9
Sub-total of exports	145.9	111.4	257.3	37.5
Public sector borrowing	11.6	8.2	19.8	2.9
Totals	435.9	249.9	685.8	100.0

TABLE 4.29. Domestic and Import Content of Final Expenditures
Illustrative 12 x 12 Model III, Nova Scotia, 1965

Final demand categories	Total expenditure Import on goods content		Domestic content	Total supply require-	Ratios					
	and services	Content	CONTON	ments (2) + (3)	(2) ÷(1)	(3) ÷(1)	(4) ÷(1)	(2) ÷ (4)	(3) ÷ (4)	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	
		millions of	dollars							
Federal government:										
Transfers to government	101.3	55.2	159.6	214.8	.54	1.58	2.12	.26	.74	
Transfers to persons	93.1	57.2	112.2	169.4	.51	1.21	1.82	.34	.66	
Goods and services:										
Defence	134.4	80.6	226.8	307.4	.60	1.69	2.29	.26	.74	
Civilian	106.1	59.9	192.3	252.2	.56	1.81	2.38	.24	.76	
Sub-totals	434.9	252.9	690.9	943.8	.58	1.59	2.17	.27	.73	
Capital formation	212.4	155.8	201.0	356.8	.73	.95	1.68	.44	.56	
Exports:										
Foreign	137.6	78.9	200.5	279.4	.57	1.46	2.03	.28	.72	
Canada	176.0	110.3	257.0	367.3	.63	1.46	2.09	.30	.70	
Atlantic Provinces	65.1	41.3	76.2	117.5	.63	1.17	1.80	.35	.65	
Other (tourism, etc.)	43.6	26.8	53.1	79.9	.61	1.22	1.83	.34	.66	
Sub-total of exports	422.3	257.3	586.8	844.1	.61	1.39	1.99	.30	.69	
Public sector borrowing	36.6	19.8	60.0	79.8	.54	1.63	2.18	.25	.75	
Totals	1,106.2	685.2	1,538.7	2,224.5	.62	1.39	2.01	.31	.69	

TABLE 4.30. Household Income and Employment Generated Per Million Dollars of Final Sales Illustrated 12×12 Model II, Nova Scotia, 1965

		Househol	d income			Employ	yment		Average
	Rank	Direct	Indirect	Total	Rank	Direct	Indirect	Total	income per employee (4) ÷ (8)
	1	2	3	4	5	6	7	8	9
			\$,000			numbe	er of emplo	yees	\$
Federal:	1	644	1,177	1,821	5	123	119	242	7,525
Civilian	_		1,099	1,752	7	108	100	208	8.423
Defence	2	653			6	119	109	228	7,570
Education	3	618	1,108	1,726			111	298	4,997
Hospitalization	4	499	990	1,489	1	187			7,221
Household industry	5		1,425	1,425		-	97	97	
Municipal government	6	371	953	1,324	9	73	128	201	6,587
Provincial government	7	289	866	1,155	15	47	127	174	6,638
Forestry	8	712	377	1,089	8	122	85	207	5,260
Distribution	9	613	427	1,040	4	152	96	248	4,193
Mining	10	570	385	955	10	107	86	193	4,948
Primary fishing	11	548	393	941	2	191	88	279	3,372
Transportation, etc.	12	448	430	878	12	96	95	191	4,597
	13	433	439	872	3	172	100	272	3,205
Agriculture	14	359	503	862	13	71	109	180	4,789
Wood and paper manufacturing	15	380		823	14	82	97	179	4,598
Construction	16			785	16	87	76	163	4,815
Services, n.e.s.					11			192	3,927
Food and textiles	17			714	17	1		147	4,857
Steel and metal manufacturing	18								
Petroleum, chemicals	19	99	133	232	18	13			

Source: Tables 4.2, 4.8A and 4.10C of Model II.

TABLE 4.31. Induced Employment and Total Income Generated Per Employment of One Thousand Persons Illustrative 12 x 12 Model II, Nova Scotia, 1965

Y. Santas		Employment		Total income	Income per employee
Industry	Direct	Induced	Total		employee
	. n	umber of employee	\$'000	\$	
	1,000	575	1,575	5,049.2	3,205
Agriculture	1,000	701	1,701	8,948.7	5,260
Forestry	1,000	463	1,463	4,934.4	3,372
Primary fishing	1,000	797	1,797	8,891.9	4,948
Mining	1,000	2,158	3,158	12,401.3	3,927
Food and textiles	1,000	1,534	2,534	12,135.0	4,789
Wood, paper manufacturing		1,274	2,274	11,045.1	4,857
Steel and metal manufacturing		1,978	2,978	15,702.2	5,272
Petroleum, chemicals		1,191	2,191	10,073.7	4,598
Construction		985	1,985	9,126.8	4,597
Transportation, etc.		625	1,625	6,814.5	4,193
Distribution		872	1,872	9,015.5	4,815
Services, n.e.s.		_	-		_
Household industry	1				

TABLE 4.32. Household Income and Employment Generated Per Million Dollars of Final Sales Illustrative 12 x 12 Model III, Nova Scotia, 1965

		Househol	d income		Employment				Average income per employee
Industry or domestic production activity	Rank	Direct	Indirect	Total	Rank	Direct	Indirect	Total	(4) ÷ (8)
	1	2	3	4	5	6	7	8	9
			\$'000			numb	er of emple	oyees	\$
Federal government:									
Civilian	1	644	1,341	1,985	5	123	153	276	7,192
Defence	2	653	1,252	1,905	9	108	132	240	7,937
Household industry	3		1,606	1,606	_	men	135	135	_
Education	4	617	649	1,266	6	119	143	262	4,832
Forestry	5	712	543	1,255	7	122	128	250	5,020
Distribution	6	613	610	1,223	4	152	134	286	4,276
Municipal government	7	204	1,011	1,215	8	30	216	246	4,939
Hospitalization	8	498	639	1,137	1	187	142	329	3,456
Provincial government	9	226	904	1,130	11	24	207	231	4,892
Mining	10	570	553	1,123	12	107	121	228	4,054
Primary fishing	11	548	562	1,110	2	191	123	314	3,535
Transportation, etc.	12	448	636	1,084	10	96	137	233	4,652
Agriculture	13	432	623	1,055	3	172	138	310	3,403
Services, n.e.s.	14	442	610	1,052	17	87	131	218	4,826
Wood and paper manufacturing	15	359	666	1,025	14	71	142	213	4,813
Construction	16	380	622	962	15	82	126	208	4,625
Food and textiles	17	254	642	896	13	61	160	221	4,054
Steel and metal manufacturing	18	340	501	841	16	65	109	174	4,833
Petroleum, chemicals	19	99	188	287	18	15	40	55	5,218

TABLE 4.33. Induced Employment and Total Income Generated Per Employment of One Thousand Persons Illustrative 12×12 Model III, Nova Scotia, 1965

Industry or production activity		Employment	Total	In come per	
	Direct	Induced	Total	income	employee
	nu	mber of employees	3	\$'000	\$
Agriculture	1,000	794	1,794	6,105.4	3,403
Forestry	1,000	1,050	2,050	10,291.0	5,020
Primary fishing	1,000	646	1,646	5,818.7	3,535
Mining	1,000	1,119	2,119	10,437.0	4,925
Food and textiles	1,000	2,639	3,639	14,753.5	4,054
Wood, paper manufacturing	1,000	2,003	3,003	14,454.2	4,813
Steel, metal manufacturing	1,000	1,680	2,680	12,953.3	4,833
Petroleum, chemicals	1,000	2,690	3,690	19,255.1	5,218
Construction	1,000	1,543	2,543	11,761.3	4,625
Transportation, etc.	1,000	1,426	2,426	11,286.6	4,652
Distribution	1,000	872	1,872	8,005.1	4,276
Services, n.e.s.	1,000	1,498	2,498	12,054.5	4,826
Household industry	1,000	_	_	_	_
Education	1,000	1,193	2,193	10,596.6	4,832
Hospitalization	1,000	753	1.753	6,058.2	3,456
Provincial government	1,000	8,413	9,413	46,046.3	4,892
Municipal government	1,000	7,235	8,235	40,672.8	4,939

TABLE 4.34. Output, Input and Employment Multipliers, Models I, II and III Illustrative 12 x 12 Model, Nova Scotia, 1965

			lustrative I	2 x 12 Mode	I, Nova Sco	1965				
	T develop	Ou	tput multiplic	ers	Ing	out multipliers		Employ	ment multipl	iers
No.	Industries	I	I II III		I	II III		I	II	III
1	Agriculture	1.47	2.94	3.61	1.36	2.49	3.21	1.23	1.58	1.79
2	Forestry	1.13	2.97	3.72	1.33	2.43	3.19	1.09	1.70	2.05
3	Primary fishing	1.30	2.89	3.51	1.33	2.44	3.13	1.13	1.46	1.65
4	Mining	1.23	2.85	3.46	1.33	2.47	3.19	1.19	1.80	2.12
5	Food and clothing	1.60	2.88	3.40	1.37	2.69	3.27	2.31	3.16	3.64
6	Secondary wood products	1.50	2.95	3.54	1.29	2.62	3.33	1.71	2.53	3.00
7	Steel and metal manufacturing	1.38	2.58	3.05	1.34	2.54	3.22	1.52	2.27	2.68
8	Non-metallic minerals	1.15	1.55	1.73	1.31	2.53	3.23	1.91	2.98	3.69
9	Construction	1.49	2.87	3.39	1.32	2.50	3.16	1.51	2.19	2.54
10	Transportation	1.41	2.89	3.65	1.31	2.48	3.20	1.36	1.98	2.43
11		1.27	3.03	3.69	1.33	2.48	3.22	1.16	1.62	1.87
12		1.26	2.58	3.56	1.36	2.50	3.38	1.26	1.87	2.49
	Households	_	2.40	3.07	-	2.72	3.56		-	_
	Education		_	3.84	_		3.18	_	-	2.19
	Hospitalization	_		3.68	_	_	3.22	_	_	1.75
	Municipal government		_	4.41	_	-	3.58	_	_	8.26
	7 Provincial government	_	_	4.20	_	_	3.52	-	-	9.41
1	Provincial government				l					

Table 4.35. Import Content of a Dollar of Finally Delivered Product (on Import Leakage Basis) Models I, II and III Illustrative 12 x 12 Model, Nova Scotia, 1965

		Total	l imported input con	tent	Total import content of typical dollar of domestic final use				
No.		I	II	III	I	II	III		
-1100									
1	Agricultural products	.246	.548	.652	.506	.704	.772		
	Forestry products	.088	.452	.570	.094	.456	.573		
1	Primary fishing	.208	.534	.633	.307	.592	.678		
		.193	.524	.621	.328	.603	.684		
	Mining products	,348	.610	.692	.713	.828	.864		
	Food, textile products	.251	.551	.644	.638	.782	.828		
6	Wood and paper products	.399	.646	.720	.842	.907	.926		
7	Steel and metal products	.399	.010		ļ				
8	Non-metals, mineral and petroleum	.734	.815	.845	.805	.864	.886		
^	Construction activity	.324	.609	.690	.324	.609	.690		
9		.138	.442	.562	.152	.452	.569		
	Transport and communication	.105	.465	.571	.105	.465	.571		
11	Distribution services		.443	.594	.171	.444	.594		
12	All other services	.171	.443						

million. These are personal transfer payments from municipal and provincial governments which become endogenous household receipts in Model II. Table 4.25 also shows the origin of employment. As in Model II, there is little difference in the impact of exogenous spending on income and on employment creation within the provincial economy. In Model III, close to one half of the total employment of 228,200 is sustained by federal government expenditure.

Table 4.26 shows the import content of the various types of exogenous expenditures in Model II. This table is thus similar to Table 4.14 and the figures are derived in a similar manner. An indication of the feedback of federal expenditures to other Canadian provinces is given by the fact that federal spending which generates \$319.7 million in Nova Scotia also generates a further \$171.4 million of imports into Nova Scotia. While a certain (unknown) part of these imports originates from foreign countries, the production of (provincially imported) Canadian goods and services generates additional household incomes elsewhere in Canada by virtue of the consumption multiplier.

Expenditures by the rest of the world in Nova Scotia generate \$328.0 million of household income, as we saw for Table 4.24. They generate also \$226.2 million in goods and services imported into Nova Scotia. Similarly provincial public sectors generate \$141.8 million in provincial imports, in addition to \$283.9 million of household income. In the case of industrial capital formation, incomes generated (\$117.6 million) fall short of imports generated (\$146.4 million). In summary, Table 4.26 shows that federal expenditures generate 25.0%, exports 33.0%; provincial public sectors 20.7% and capital expenditures of industries 21.3% of all provincial imports on Model II basis.

In Table 4.27 the import content of exogenous expenditures as shown in Table 4.26 is compared with the domestic content. The latter is the contribution of exogenous expenditure to Gross Domestic Product. It should be noted that total GDP in Model II exceeds GDP of Model I by \$77.7 million, because personal savings are treated in a manner similar to capital consumption allowances when households are endogenous to the system. Column 1 records expenditures on goods and services of Model II (see Table 4.19). Column 4, which is formed by adding import and domestic content shows, total requirements necessary to sustain exogenous final

expenditures. These, it will be recalled, include requirements set up by virtue of the fact that in Model II exogenous expenditure generates endogenous consumption expenditures. The ratios shown in columns 5 to 9 are of considerable interest. Column 5 shows the import content of exogenous expenditures. As noted above, it is highest for industrial capital formation (69%). Import content of provincial public sectors (average 48%) is fractionally lower than that of federal government expenditures (51%) while the total import content of exports is 54%. The reason here is that the production of exports requires a somewhat higher input of imported goods than does production of public sector services or federal government services. The ratios of domestic content shown in Column 6 are inversely related to those of Column 5. Thus provincial public sectors have the highest domestic content (140%) and industrial capital formation the lowest (82%). Column 7 shows the sum of import and domestic content. This is higher for provincial public sectors and federal spending (187% and 188%) than for exports (171%) or capital formation (151%). Columns 8 and 9 again record import and domestic content respectively, that time as a proportion of total requirements. The pattern, of course, remains unchanged. Table 4.28 and 4.29 show similar results for Model III.

Table 4.30 which shows direct and indirect household income and employment generated by final delivery of one unit of each of the 12 products and by final expenditure categories, is similar to Table 4.17 of Model I, and is derived in a similar manner. The activities are ranked in order of total income generated, which ranges from a high of \$1,821,000 per typical million dollars of federal government spending on defence to a low of \$232,000 per million dollars of final deliveries of non-metallic mineral and petrochemical products. The ranking of the 12 products is not changed - forest products still generating the greatest and petrochemical products the least total income per dollar of final delivery. In Model II, however, all public sector services generate a greater total income than any of the products in the system. This is undoubtedly due to their relatively higher direct labour input. Comparison of Tables 4.17 and 4.30 also shows an increase in the relative spread between the greater and lesser income generating activities. In Model I, for example, food and clothing generated \$529,000 and federal civilian spending \$826,000 of household income per million dollars of expenditure. In Model II, the corresponding figures were \$754,000 and \$1,821,000.

The ranking of activities in terms of employment in Table 4.30 is the same as that for Model I (Table 4.17) for the six activities ranking highest in both Model I and Model II; i.e., (1) hospitalization; (2) primary fishing; (3) agriculture; (4) distribution; (5) federal civilian government; and (6) education. It is also the same for the six activities ranking lowest in terms of employment i.e. (13) secondary wood products; (14) construction; (15) provincial government; (16) services; (17) steel and metal manufacturing; and (18) non-metallic mineral products. In the intermediate range, however, there are changes in ranking: thus food and clothing products which ranked 7th in Model I fall in Model II, while mining for example, which ranked 12th comes up to 10th place.

The ranking of average income created per job created is considerably different in Models I and II. Whereas in Model I agriculture showed the lowest average income (\$2,873) followed by hospitals (\$3,752); in Model II agriculture is still at the bottom (\$3,205) but hospitalization (\$4,997) ranks well above primary forestry (\$3,372) and food and clothing (\$3,927). Table 4.31 is similar to Table 4.18 and presents a rearrangement of the data in Table 4.30 to show total employment and income arising from an initial employment of 1,000 persons in each of the 12 industries. Tables 4.32 and 4.33 show the same information for Model III. The ranking activities concerning household income created is again somewhat different from Model II.

Finally, Table 4.34 compares the multipliers of Models I, II and III. The output multipliers, it will be recalled, indicate gross industry output generated per unit industry output delivered. When household income is endogenous to the system, as in Model II, industries with a high household income input, such as distribution and services show a relatively larger increase in the output multiplier than those with a lower direct input of household income. Thus distribution (1.27), and forestry (1.13), have a lower output multiplier in Model I than do industries such as food and clothing (1.60), or construction (1.49). In Model II, however, distribution (3.03) and forestry (2.97) have a higher output multiplier than food and clothing (2.88) and construction (2.87). When local public sectors are also made endogenous this tendency is accentuated. Thus forestry which has the lowest Model I output multiplier (1.13), has the highest Model III output multiplier (3.72) while distribution with a Model I multiplier of 1.27 has the second highest Model III multiplier (3.69).

As far as input multipliers are concerned we note that the remarkable invariance of these multipliers in Model I continues to be manifested in Models II and III. (This matter is further investigated in Vol. II of this study.)

Another matter of some interest is the apparent lack of correlation between output and employment multipliers in Model III. The lowest output multiplier in Model III occurs in non-metallic mineral and petrochemicals (1.73), which shows the highest employment multiplier in Model III (3.69), although not in Model II. The industry with the lowest output multiplier in Model I (forestry 1.13) shows the highest output multiplier in Model III which is neither very high or very low (2.05). The industry with the highest output multiplier in Model I (food and clothing) (1.60), and the highest employment multiplier in Model I (2.31), in Model III drops to an output multiplier of average value (3.40), but retains a relatively very high value employment multiplier (3.64).

IV. An Inter-regional Model Open to External Trade

The basic model of Section III can readily be generalized to deal with several economies linked through trade. Each of these economies transacts with all the others and also with the "rest of the world". Our inter-regional model is implicit in the format of the base year accounts of 1960 and 1965 which enter the exports of one province to another as the imports of the receiving province. Data was collected to record exports of each of the four Atlantic Provinces to every other Atlantic Province as well as exports to the rest of the world. In this context the rest of the world consists of foreign countries and Canadian destinations other than the Atlantic region. In the inter-regional system imports from the rest of the world similarly mean imports from sources other than the Atlantic Provinces.

The assumptions of the model remain the same as those set out in Section III. Thus, each province has its own particular set of commodity-industry outputs (J_i) and inputs (B_i) from which we derive, for each province, a market share matrix J_i and an input coefficient B_i . Import functions assert that competitive imports are proportional to domestic use. The import coefficients μ of the basic model of Section III are thus disaggregated by source such that $\mu_1 + \mu_2 + \mu_3 + \ldots + \mu_r = \mu$ where $1, 2, 3, \ldots$ retc. are geographic sources of competitive imports. Here sources $1, 2, 3, \ldots$ are regions within the model,

while r is the "rest of the world" which is external to the inter-regional model. For simplicity of exposition we present initially an inter-regional model consisting of two regions and the rest of the world. The reader will be able to observe that it conforms to the mathematical form of the basic model of Section II. A generalization of the two-region model to n regions, and some illustrative examples drawn from Model II and Model III versions of our inter-regional model conclude this section.

Two-region Inter-regional Model

The notation used here conforms to that of Section III. Subscripts a and b refer to regions A and B. Two subscripts, as in m_{ab} and e_{ab} indicate the movement of commodities from source A to destination B. Thus m_{ab} are B's imports from A, i.e. commodities originating from A and moving to B. Evidently $m_{ab} = e_{ab}$. Exports e_{ar} (from A) and e_{br} (from B) moving to the rest of the world are exogenous variables, as of course are final domestic demand d_a and d_b . The system consists of 10 relationships which determine 10 variables. These are q_a , q_b , g_a , g_b , m_{ba} , m_{ab} , m_{ra} , m_{rb} , e_{ab} , e_{ba} .

The ten equation system follows:

(1)
$$q_a = B_a g_a + d_a + e_{ab} + e_{ar} - m_{ba} - m_{ra}$$

(2)
$$q_b = {\stackrel{*}{B}}_b g_b + d_b + e_{ba} + e_{br} - m_{ab} - m_{rb}$$

Domestic supply $(q_a - e_{ab} - e_{ar})$, plus imports from all sources, m_{ba} m_{ra} equals intermediate

use in region A: $\overset{*}{B}_a$ g_a , plus domestic final use, d_a . The same relationship holds true for region B.

(3)
$$e_{ab} = m_{ab}$$

$$(4) e_{ba} = m_{ba}$$

The exports of A to B are the imports of B from A and vice versa.

(5)
$$m_{ba} = \hat{\mu}_{ba} (\mathring{B}_a g_a + d_a)$$

(6)
$$m_{ra} = \hat{\mu}_{ra} (\mathring{B}_a g_a + d_a)$$

(7)
$$m_{ab} = \hat{\mu}_{ab} (\mathring{B}_b g_b + d_b)$$

(8)
$$m_{rb} = \hat{\mu}_{rb} (\mathring{B}_b g_b + d_b)$$

Imports of any commodity to region A are proportional to domestic use in region A; $(B_a g_a + d_a)$. Note that domestic use is identically equal to $(q_a + m_{b\,a} + m_{r\,a} - e_{ab} - e_{ar})$. The import function of the inter-regional model is thus similar to that of the basic model.

$$(9) g_a = J_a q_a$$

$$(10) g_b = \mathring{J}_b q_b$$

The market share assumption states that requirements from the domestic economy are supplied by the industries in the same proportion as in the base year.

Solving for Commodity Outputs

From (1), (3), (5), (6), (9) and (10) we obtain:

$$\begin{aligned} q_{a} &= \overset{*}{B}_{a} \; g_{a} + d_{a} + \hat{\mu}_{ab} \; (\overset{*}{B}_{b} \; g_{b} + d_{b}) + e_{ar} - \hat{\mu}_{ba} \; (\overset{*}{B}_{a} \; g_{a} + d_{a}) - \hat{\mu}_{ra} \; (\overset{*}{B}_{a} \; g_{a} + d_{a}) \\ q_{a} &= (\overset{*}{B}_{a} - \hat{\mu}_{ba} \; \overset{*}{B}_{a} - \hat{\mu}_{ra} \; \overset{*}{B}_{a}) \; g_{a} + (I - \hat{\mu}_{ba} - \hat{\mu}_{ra}) \; d_{a} + \hat{\mu}_{ab} \; \overset{*}{B}_{b} \; g_{b} + \hat{\mu}_{ab} \; d_{b} + e_{ar} \\ \end{aligned}$$

$$\text{therefore } (I - \overset{*}{B}_{a} \; \overset{*}{J}_{a} + \hat{\mu}_{ba} \; \overset{*}{B}_{a} \; \overset{*}{J}_{a} + \hat{\mu}_{ra} \; \overset{*}{B}_{a} \; \overset{*}{J}_{a}) \; q_{a} - \hat{\mu}_{ab} \; \overset{*}{B}_{b} \; \overset{*}{J}_{b} \; q_{b} \\ &= (I - \hat{\mu}_{ba} - \hat{\mu}_{ra}) \; d_{a} + \hat{\mu}_{ab} \; d_{b} + e_{ar}$$

From (2), (4), (7), (8), (9) and (10) we likewise obtain:

$$(I - \mathring{B}_{b}^{*} \mathring{J}_{b}^{*} + \hat{\mu}_{ba} \mathring{B}_{b}^{*} \mathring{J}_{b}^{*} + \hat{\mu}_{rb} \mathring{B}_{b}^{*} \mathring{J}_{b}^{*}) q_{b} - \hat{\mu}_{ba} \mathring{B}_{a}^{*} \mathring{J}_{a} q_{a}$$

$$= (I - \hat{\mu}_{ab} - \hat{\mu}_{rb}) d_{b} + \hat{\mu}_{ba} d_{a} + e_{br}$$

The system, in partitioned matrix notation is:

$$\begin{bmatrix} I - (I - \hat{\mu}_{ba} - \hat{\mu}_{ra}) \stackrel{*}{B}_{a} \stackrel{*}{J}_{a} & I - (I - \hat{\mu}_{ab} - \hat{\mu}_{rb}) \stackrel{*}{B}_{b} \stackrel{*}{J}_{b} \\ & - \hat{\mu}_{ba} \stackrel{*}{B}_{a} \stackrel{*}{J}_{a} & I - (I - \hat{\mu}_{ab} - \hat{\mu}_{rb}) \stackrel{*}{B}_{b} \stackrel{*}{J}_{b} \end{bmatrix} = \begin{bmatrix} q_{a} \\ q_{b} \end{bmatrix}$$

$$= \begin{bmatrix} I - (\hat{\mu}_{ba} + \hat{\mu}_{ra}) & \hat{\mu}_{ab} & \hat{\mu}_{ab} \\ & \hat{\mu}_{ba} & I - (\hat{\mu}_{ab} + \hat{\mu}_{rb}) \end{bmatrix} \begin{bmatrix} d_{a} \\ d_{b} \end{bmatrix} + \begin{bmatrix} e_{ar} \\ e_{br} \end{bmatrix}$$

$$\begin{bmatrix} q_{a} \\ \vdots \\ q_{b} \end{bmatrix} = \begin{bmatrix} I - (I - \hat{\mu}_{ba} - \hat{\mu}_{ra}) \stackrel{*}{B}_{a} \stackrel{*}{J}_{a} & - \hat{\mu}_{ab} \stackrel{*}{B}_{b} \stackrel{*}{J}_{b} \\ \vdots \\ q_{b} \end{bmatrix} \begin{bmatrix} I - (I - \hat{\mu}_{ba} - \hat{\mu}_{ra}) \stackrel{*}{B}_{a} \stackrel{*}{J}_{a} & - \hat{\mu}_{ab} \stackrel{*}{B}_{b} \stackrel{*}{J}_{b} \\ \vdots \\ q_{b} \end{bmatrix} \begin{bmatrix} I - (I - \hat{\mu}_{ba} - \hat{\mu}_{ra}) \stackrel{*}{B}_{a} \stackrel{*}{J}_{a} & - \hat{\mu}_{ab} \stackrel{*}{B}_{b} \stackrel{*}{J}_{b} \\ \vdots \\ q_{b} \end{bmatrix} \begin{bmatrix} I - (I - \hat{\mu}_{ba} - \hat{\mu}_{ra}) \stackrel{*}{B}_{a} \stackrel{*}{J}_{a} & - \hat{\mu}_{ab} \stackrel{*}{B}_{b} \stackrel{*}{J}_{b} \\ \vdots \\ q_{b} \end{bmatrix} \begin{bmatrix} I - (I - \hat{\mu}_{ba} - \hat{\mu}_{ra}) \stackrel{*}{B}_{a} \stackrel{*}{J}_{a} & - \hat{\mu}_{ab} \stackrel{*}{B}_{b} \stackrel{*}{J}_{b} \\ \vdots \\ q_{b} \end{bmatrix} \begin{bmatrix} I - (I - \hat{\mu}_{ba} - \hat{\mu}_{ra}) \stackrel{*}{B}_{a} \stackrel{*}{J}_{a} & - \hat{\mu}_{ab} \stackrel{*}{B}_{b} \stackrel{*}{J}_{b} \\ \vdots \\ q_{b} \end{bmatrix} \begin{bmatrix} I - (I - \hat{\mu}_{ba} - \hat{\mu}_{ra}) \stackrel{*}{B}_{a} \stackrel{*}{J}_{a} & - \hat{\mu}_{ab} \stackrel{*}{B}_{b} \stackrel{*}{J}_{b} \\ \vdots \\ q_{b} \end{bmatrix} \begin{bmatrix} I - (I - \hat{\mu}_{ba} - \hat{\mu}_{ra}) \stackrel{*}{B}_{a} \stackrel{*}{J}_{a} & - \hat{\mu}_{ab} \stackrel{*}{B}_{b} \stackrel{*}{J}_{b} \\ \vdots \\ q_{b} \end{bmatrix} \begin{bmatrix} I - (I - \hat{\mu}_{ba} - \hat{\mu}_{ra}) \stackrel{*}{B}_{a} \stackrel{*}{J}_{a} & - \hat{\mu}_{ab} \stackrel{*}{B}_{b} \stackrel{*}{J}_{b} \\ \vdots \\ q_{b} \end{bmatrix} \begin{bmatrix} I - (I - \hat{\mu}_{ba} - \hat{\mu}_{ra}) \stackrel{*}{B}_{a} \stackrel{*}{J}_{a} & - \hat{\mu}_{ab} \stackrel{*}{B}_{b} \stackrel{*}{J}_{b} \\ \vdots \\ q_{b} \end{bmatrix} \begin{bmatrix} I - (I - \hat{\mu}_{ba} - \hat{\mu}_{ra}) \stackrel{*}{B}_{a} \stackrel{*}{J}_{a} & - \hat{\mu}_{ab} \stackrel{*}{B}_{b} \stackrel{*}{J}_{b} \\ \vdots \\ q_{b} \end{bmatrix} \begin{bmatrix} I - (I - \hat{\mu}_{ba} - \hat{\mu}_{ra}) \stackrel{*}{B}_{a} \stackrel{*}{J}_{a} & - \hat{\mu}_{ab} \stackrel{*}{B}_{b} \stackrel{*}{J}_{b} \\ \vdots \\ q_{b} \end{bmatrix} \begin{bmatrix} I - (I - \hat{\mu}_{ba} - \hat{\mu}_{ra}) \stackrel{*}{B}_{a} \stackrel{*}{J}_{a} & - \hat{\mu}_{ab} \stackrel{*}{B}_{a} \stackrel{*}{J}_{a} & - \hat{\mu}_{ab} \stackrel{*}{B}_{a} \stackrel{*}{J}_{a} \\ \vdots \\ q_{b} \end{bmatrix} \begin{bmatrix} I - (I - \hat{\mu}_{ba} - \hat{\mu}_{ra}) \stackrel{*}{B}_{a} \stackrel{*}{J}_{a} & - \hat{\mu}_{a} \stackrel{*}{B}_{a} \stackrel{*}{J}_{a} & - \hat{\mu}_{a} \stackrel{*}{B}_{a} \stackrel{*}{J}_{a} \\ \vdots \\ q_{b} \end{bmatrix} \begin{bmatrix} I - (I - \hat{\mu}_{ba} - \hat$$

Generalized n-region Inter-regional Model

The two-region solutions for commodity and industry outputs and inputs can be generalized to encompass n regions. Suppose we re-express the two-region case as follows:

$$\begin{bmatrix} \overset{*}{\mathbf{V}_a} & \vdots & \mathbf{0} \\ \vdots & \ddots & \ddots \\ \mathbf{0} & \vdots & \overset{*}{\mathbf{V}_b} \end{bmatrix} = \overset{*}{\mathbf{V}}$$

$$= \overset{*}{\mathbf{V}}$$

$$= \mathbf{q}_a \qquad \qquad \mathbf{g}_a \qquad \qquad \mathbf{d}_a \qquad \qquad \mathbf{d}_a$$

$$\begin{bmatrix} q_a \\ \dots \\ q_b \end{bmatrix} = \begin{matrix} * \\ * \\ g_b \end{bmatrix} = \begin{matrix} * \\ * \\ * \\ d_b \end{bmatrix} = \begin{matrix} * \\ * \\ d_b \end{bmatrix} = \begin{matrix} * \\ * \\ * \\ 0 \end{matrix} = \begin{matrix} * \\ * \\ d_b \end{bmatrix} = \begin{matrix} * \\ * \\ * \\ 0 \end{matrix} = \begin{matrix} * \\ * \\ * \\ 0 \end{matrix} = \begin{matrix} * \\ * \\ * \\ 0 \end{matrix} = \begin{matrix} * \\ * \\ * \\ 0 \end{matrix} = \begin{matrix} * \\ * \\ * \\ 0 \end{matrix} = \begin{matrix} * \\ * \\ * \\ 0 \end{matrix} = \begin{matrix} * \\ * \\ * \\ 0 \end{matrix} = \begin{matrix} * \\ * \\ * \\ 0 \end{matrix} = \begin{matrix} * \\ * \\ * \\ 0 \end{matrix} = \begin{matrix} * \\ * \\ * \\ 0 \end{matrix} = \begin{matrix} * \\ * \\ * \\ 0 \end{matrix} = \begin{matrix} * \\ * \\ * \\ 0 \end{matrix} = \begin{matrix} * \end{matrix} = \begin{matrix} *$$

$$e_{ar}$$
 e_{br}

The solution for q and g are given by:

$$q = [(I - (I - \mu) B J]^{-1}$$
 $[(I - \mu) d + e]$

$$g = J [I - (I - \mu) B J]^{-1}$$
 $[(I - \mu) d + e]$

Primary inputs are given by:

Imports are given by:

$$M = \mu [Bg + d]$$

It should be clear that this notation is independent of the number of regions. Thus, $\overset{*}{M}$, $\overset{*}{D}$ and $\overset{*}{E}$ could be matrices with as many columns as there are regions, in the inter-regional system.

Suppose in an inter-regional system, we wish to know the impact of one unit commodity required for domestic final use in the region of origin on all the commodities, industries and primary inputs in the inter-regional system. Let d be a vector with zero elements everywhere except in the ith row of region j where it is unity. Let us call this vector E_i . Then

$$q = [I - (I - \mu) BJ]^{-1} [(I - \mu) E_{ij}]$$

yields total domestic requirements from the regions in the system, and

$$g = J [I - (I - \mu) B J]^{-1} (I - \mu) E_{ij}$$

yields total industry output requirements to satisfy demand for one unit of commodity i in region j.

While the inter-regional model is similar to the one region model, it is convenient in the inter-regional model to consider the impact of one unit required for final domestic use from all sources, rather than, as in the one region model, the impact of one unit required from domestic sources only. The reason is obvious. The matrix $(I - \mu)$ directs domestic final requirements of one region towards three sources of supply: competitive imports from the rest of the world μ_{ri} : domestic production of that region; $(I - \mu_{ij})$ domestic production of other regions in the system, $(\mu_{aj}, \mu_{jb}, \ldots)$. In the two-region model for example, μ is "leaked" out of the inter-regional system and supplied by "the rest of the world". Demand directed towards region A is thus $I - (\mu_{ba} + \mu_{ra})$. While the total "import leakage" with respect to region A is $(\mu + \mu_{ra})$, A's imports from B are also B's exports to A. Thus the system directs μ_{ba} towards B's industries. If we consider the four-region

TABLE 4.36. Direct and Indirect Household Income and Employment Generated Per Million Dollars of Final Sales
Inter-regional Model II

			Inter-1	egionai mode	71 11					
		Ног	isehold incor	ne				Employment		
	Nova Scotia	New Brunswick	Prince Edward Island	New- foundland	Atlantic total	Nova Scotia	New Brunswick	Prince Edward Island	New- foundland	Atlantic total
		thou	sands of doll	ars			nur	nber employe	ed	
lova Scotia:										
Agricultural products	898	23	10	6	937	277	5	3	2	287
Forestry products	980	19	8	5	1,012	264	4	3	2	273
Primary fish	1,001	18	7	4	1,030	264	4	3	1	272 201
Mining products	960	15	6	3	984	195	3	2	1	201
Food, textile products	774	20	15	31	840	191	5	5	13	141
Wood, paper products	649	13	4	3	669	136	3	1	1	140
Steel, metal products	646	13	4	3	666	135	3	1	1	140
Non-metals, petroleum, chemicals	646	13	4	3	666	135	3 4	2	1	191
Construction	843	19	6	4	872	184	4	2	1	230
Transportation, communications	975	15	6	3 3	999 999	223 223	3	2	1	229
Distribution	975	15	6 5	3	813	166	3	2	1	172
All other services	793	12 18	9	4	1,464	98	4	3	2	107
Household industry	1,433	10	9	1	1,404	1				
New Brunswick:							0.00	4		268
Agricultural products	22	898	5	wa.m	925	5	262	1	8000	268
Forestry products	16	987	3	_	1,006	4	236	1	_	241
Primary fish	16	995	3	-	1,014	4	236	1	-	95
Mining products	9	500	2	-	511	2	149	6	_	166
Food, textile products	43	604	15	_	662	11			_	145
Wood, paper products	15	683	2	-	700 700	3			_	145
Steel, metal products	15	683	2 2	_	700	3			_	145
Non-metals, petroleum, chemicals	15	683	3	_	803	5	1	1	_	179
Construction	22	778		_	987	4		1	_	238
Transportation, communications	15		3	_	987	4		1	_	238
Distribution	15		2	_	752			1		169
All other services	13		4		1,441	4		1	_	103
Household industry	18	1,419	"		1,777					
Prince Edward Island:					923	16	8	266	_	290
Agricultural products	74		812	1	920	1		275		298
Forestry products	72		811	1	887			375		393
Primary fish	54		802		1,360			144		160
Mining products	42		1,290	1	750			214		233
Food, textile products	49		555		633			149	-	160
Wood, paper products	52		555		633			149	_	160
Steel, metal products	52		555		633	1	6	149	_	160
Non-metals, petroleum, chemicals	52		650		748		1 7	164	_	18:
Construction	43		957		1,025		9 6	263	-	27
Transportation, communications	43		957		1,025	1	9 6	263	-	27
Distribution	33	}		1	714	1	7 4	190	-	20
All other services	4:				1,46	5	9 7	115	-	13
·										
Newfoundland:	34	4 18	11	858	92	1	8 4			
Agricultural products	2					1	6 3		420	
Forestry products	2			7 1,01:		6	6 3		2 424	
Primary fish	1			3 53:	56		3 2		100	
Mining products	1			8 85	89	_	5 3		2 261	
Food, textile products	1		1	4 70	74	^	4 2		1 184	
Wood, paper products	4			4 70	74	*	4 2		1 184	
Steel, metal products		1 .		4 70		^	4 2		1 184	
Non-metals, petroleum, chemicals		1		4 70	0 74	.			1 15:	
Construction		-		6 98		-			2 23:	
Transportation, communications	1			6 98	1			1	2 23:	
Distribution			1	4 65		1	- 1		1 15:	1
All other services		1 12	1	8 1,37	0 1,41	1	5	3	3 9	10
Household industry	4		1							

model with respect to final use of commodities in region A, it is clear that only competitive imports from rest of the world μ_{ra} leak out of the total system. Thus μ_{ba} , μ_{ca} and μ_{da} are import leakages to region A but μ_{ba} generates demand in region B; μ_{ca} in region C and μ_{da} in region D.

In other words, $i'\hat{\mu} = \mu_r$. Where μ_r' is a row vector of

$$\mu_{\rm ra} \dots \mu_{\rm rb} \dots \mu_{\rm rj} \dots \mu_{\rm rn}$$

Total Primary Input requirements for final delivery for domestic use of a commodity is thus given by

$$VJ [I - (I - \mu) BJ]^{-1} (I - \mu)$$

OI

$$V \left[I - J \left(I - \mu \right) B J \right]^{-1} \left(I - \mu \right)$$

An inter-regional model is usually closed with respect to household income. Indeed, the generation of income within an inter-regional model is one of the more useful results which can be obtained. The model can also be closed with respect to local public expenditures in the manner described in Section III.

A Four-region Inter-regional Model

The solution of a four-region system in commodity space derives from the system below.

An inter-regional model comprising four regions, each open to the rest of the world is illustrated. The subscripts a, b, c and d refer to the four regions. In our case these represent each of the four Atlantic Provinces. The subscript r refers to the rest of the world as before.

$$\begin{bmatrix} I_{-}(I_{-}\hat{\mu}_{b\,a}^{-}\hat{\mu}_{ca}^{-}\hat{\mu}_{da}^{-}\hat{\mu}_{ra})\mathring{B}_{a}^{*}\mathring{J}_{a} & -\hat{\mu}_{ab}\mathring{B}_{b}^{*}\mathring{J}_{b} & -\hat{\mu}_{ac}\mathring{B}_{c}^{*}\mathring{J}_{c} & -\hat{\mu}_{ad}\mathring{B}_{d}^{*}\mathring{J}_{d} \\ -\hat{\mu}_{b\,a}\mathring{B}_{a}^{*}\mathring{J}_{a} & I_{-}(I_{-}\hat{\mu}_{ab}^{-}\hat{\mu}_{cb}^{-}\hat{\mu}_{db}^{-}\hat{\mu}_{rb})\mathring{B}_{b}^{*}\mathring{J}_{b} & -\hat{\mu}_{b\,c}\mathring{B}_{c}^{*}\mathring{J}_{c} & -\hat{\mu}_{bd}\mathring{B}_{d}^{*}\mathring{J}_{d} \\ -\hat{\mu}_{ca}\mathring{B}_{a}^{*}\mathring{J}_{a} & -\hat{\mu}_{cb}\mathring{B}_{b}^{*}\mathring{J}_{b} & I_{-}(I_{-}\hat{\mu}_{ac}^{-}\hat{\mu}_{bc}^{-}\hat{\mu}_{dc}^{-}\hat{\mu}_{rc})\mathring{B}_{c}^{*}\mathring{J}_{c} & -\hat{\mu}_{cd}\mathring{B}_{d}^{*}\mathring{J}_{d} \\ -\hat{\mu}_{da}\mathring{B}_{a}^{*}\mathring{J}_{a} & -\hat{\mu}_{db}\mathring{B}_{b}^{*}\mathring{J}_{b} & I_{-}(I_{-}\hat{\mu}_{ac}^{-}\hat{\mu}_{bc}^{-}\hat{\mu}_{dc}^{-}\hat{\mu}_{rc})\mathring{B}_{c}^{*}\mathring{J}_{c} & I_{-}(I_{-}\hat{\mu}_{ad}^{-}\hat{\mu}_{bd}^{-}\hat{\mu}_{cd}^{-}\hat{\mu}_{rd})\mathring{B}_{d}^{*}\mathring{J}_{d} \\ -\hat{\mu}_{da}\mathring{B}_{a}\mathring{B}_{a}^{*}\mathring{J}_{a} & -\hat{\mu}_{db}\mathring{B}_{b}\mathring{B}_{b}^{*}\mathring{J}_{b} & -\hat{\mu}_{dc}\mathring{B}_{c}\mathring{B}_{c}^{*}\mathring{J}_{c} & I_{-}(I_{-}\hat{\mu}_{ad}^{-}\hat{\mu}_{bd}^{-}\hat{\mu}_{cd}^{-}\hat{\mu}_{rd})\mathring{B}_{d}^{*}\mathring{J}_{d} \\ -\hat{\mu}_{da}\mathring{B}_{a}\mathring{B}_{a}^{*}\mathring{J}_{a} & -\hat{\mu}_{db}\mathring{B}_{b}\mathring{B}_{b}\mathring{J}_{b} & -\hat{\mu}_{dc}\mathring{B}_{c}\mathring{B}_{c}\mathring{J}_{c} & I_{-}(I_{-}\hat{\mu}_{ad}^{-}\hat{\mu}_{bd}^{-}\hat{\mu}_{cd}^{-}\hat{\mu}_{rd})\mathring{B}_{d}\mathring{B}_{d}\mathring{J}_{d} \\ -\hat{\mu}_{da}\mathring{B}_{a}\mathring{B}_{a}\mathring{J}_{a} & -\hat{\mu}_{db}\mathring{B}_{b}\mathring{B}_{b}\mathring{J}_{b} & -\hat{\mu}_{dc}\mathring{B}_{c}\mathring{B}_{c}\mathring{B}_{c}\mathring{B}_{c} & I_{-}(I_{-}\hat{\mu}_{ad}^{-}\hat{\mu}_{ad}^{-}\hat{\mu}_{bd}^{-}\hat{\mu}_{cd}^{-}\hat{\mu}_{rd})\mathring{B}_{d}\mathring{B}_{d}\mathring{B}_{d} \\ -\hat{\mu}_{da}\mathring{B}_{a}\mathring{B}_{a}\mathring{B}_{a} & -\hat{\mu}_{da}\mathring{B}_{a}\mathring{B}_{b}\mathring{B}_{b}\mathring{B}_{b}\mathring{B}_{b} & -\hat{\mu}_{dc}\mathring{B}_{c}\mathring{B}_{c}\mathring{B}_{c}\mathring{B}_{c}\mathring{B}_{c} \\ -\hat{\mu}_{da}\mathring{B}_{a}\mathring{B}_{a}\mathring{B}_{a} & -\hat{\mu}_{cd}\mathring{B}_{d}\mathring{B}_{d} & -\hat{\mu}_{cd}\mathring{B}_{d}\mathring{B}_{d} \\ -\hat{\mu}_{da}\mathring{B}_{d}\mathring{B}_{d} & -\hat{\mu}_{cd}\mathring{B}_{d}\mathring{B}_{d}\mathring{B}_{d} & -\hat{\mu}_{cd}\mathring{B}_{d}\mathring{B}_{d} \\ -\hat{\mu}_{da}\mathring{B}_{d}\mathring{B}_{d} & -\hat{\mu}_{cd}\mathring{B}_{d}\mathring{B}_{d} & -\hat{\mu}_{cd}\mathring{B}_{d}\mathring{B}_{d} \end{pmatrix}_{d} \\ -\hat{\mu}_{da}\mathring{B}_{d}\mathring{B}_{d} & -\hat{\mu}_{da}\mathring{B}_{d}\mathring{B}_{d} & -\hat{\mu}_{cd}\mathring{B}_{d}\mathring{B}_{d} \end{pmatrix}_{d} \\ -\hat{\mu}_{da}\mathring{B}_{d}\mathring{B}_{d} & -\hat{\mu}_{da}\mathring{B}_{d}\mathring{B}_{d} & -\hat{\mu}_{da}\mathring{B}_{d} \end{pmatrix}_{d} \end{pmatrix}_{d} \\ -\hat{\mu}_{d}\mathring{B}_{d} & -\hat{$$

$I^{-\hat{\mu}_{ba}-\hat{\mu}_{ca}-\hat{\mu}_{da}-\hat{\mu}_{ra}}$	+ $\hat{\mu}_{ab}$	$+\hat{\mu}_{ m ac}$	+ $\hat{\mu}_{ m ad}$	da		e _a
$+\hat{\mu}_{\mathrm{b}\mathrm{a}}$	$I - \hat{\mu}_{ab} - \hat{\mu}_{cb} - \hat{\mu}_{db} - \hat{\mu}_{rb}$	+ $\hat{\mu}_{ ext{b c}}$	$+\hat{\mu}_{ ext{bd}}$	d _b	+	e _b
$+\hat{\mu}_{ exttt{ca}}$	$+\hat{\mu}_{\mathtt{cb}}$	$I - \hat{\mu}_{ac} - \hat{\mu}_{bc} - \hat{\mu}_{dc} - \hat{\mu}_{rc}$	+ $\hat{\mu}_{ ext{cd}}$	d _c		ec
$+\hat{\mu}_{\mathrm{d}\mathrm{a}}$	$+\hat{\mu}_{ ext{d} ext{b}}$	+µ̂dc	$I - \hat{\mu}_{ad} - \hat{\mu}_{bd} - \hat{\mu}_{cd} - \hat{\mu}_{rd}$	d_d		e _d

Some Numerical Results of the Inter-regional Model

There is, as is to be expected, very little economic interdependence between the Atlantic Provinces. Even when we include households within the model, as is done here, the feedback or spill over from any one Atlantic Province to the others is very weak.

Table 4.36 shows the impact of \$1,000 of final deliveries of each of the 12 products on household income within the province in which final delivery is made, and on each of the other three Atlantic Provinces.

Thus \$1,000 of food and textile products delivered in Nova Scotia generate \$774 in household

income in Nova Scotia; \$20 in New Brunswick; \$15 in Prince Edward Island and \$31 in Newfoundland. Total income generated is \$840 of which 92% accrues to Nova Scotia. Regional impact on employment is similar: one million dollars of final sales of food and clothing products create 191 jobs in Nova Scotia, 5 in New Brunswick, 5 in Prince Edward Island and 13 in Newfoundland. Total employment is thus 214 of which 89% accrues to Nova Scotia. In the case of food and clothing, the feedback to Newfoundland relates to fish caught in that province and processed in Nova Scotia. The fact that the employment impact on Nova Scotia is relatively somewhat smaller than the income-impact reflects the low earnings of people engaged in the Newfoundland fishery. In the case of other industries, inter-regional linkage is even weaker. Thus \$1,000 of Nova Scotia construction generates \$843 in Nova Scotia, \$19 in New Brunswick, \$6 in Prince Edward Island and \$4 in Newfoundland. Corresponding figures for employment are Nova Scotia 184, New Brunswick 4; Prince Edward Island 2; and 1 in Newfoundland. Thus 96.5% of impact on household income and 96.3% of the impact on employment occurred in Nova Scotia.

Other things being equal, the relative impact of expenditures in a smaller province, like Prince Edward Island, on a large one is likely to be somewhat higher. Thus \$1,000 spent on construction in Prince Edward Island generates \$650 in Prince Edward Island; \$67 in Nova Scotia, \$31 in New Brunswick and none in Newfoundland; 87% of the impact on household income is experienced in Prince Edward Island.

Perhaps the most interesting single result in Table 4.36 relates to the household industry. Here the impact on household income of \$1,000 spent on a typical set of household purchases in each of the four provinces was: Nova Scotia \$1,433 (97.9%); New Brunswick \$1,419 (98.5%); Prince Edward Island \$1,395 (95.2%) and Newfoundland \$1,370 (97.1%).11 In the case of Nova Scotia the impact on the Atlantic Region as a whole was \$1,464 with incomes in New Brunswick \$18; Prince Edward Island \$9; Newfoundland \$4. In the case of New Brunswick, Atlantic impact was \$1,441 (Nova Scotia \$18, Prince Edward Island \$4, Newfoundland - zero). In the case of Prince Edward Island, Atlantic impact was \$1,465 (Nova Scotia \$41, New Brunswick \$29, Newfoundland - zero); and in the case of Newfoundland \$1,441 (Nova Scotia \$21, New Brunswick \$12, Prince Edward Island \$8). The figures reflect the fact that Newfoundland tends to import a somewhat higher proportion of food and clothing requirements from Central Canada and foreign countries than do the three Maritime Provinces.

Whereas expenditures in one Atlantic Province generate very little income in the other Atlantic Provinces, the "leakage" of purchasing power to the rest of Canada is considerable. Thus, in our example, the expenditure of \$1,000 in Nova Scotia by a typical household generates \$1,433 in Nova Scotia, \$31 in the other three Atlantic Provinces and \$471 in the rest of Canada. A certain-unknown-part of this \$471 in turn "leaks" out to foreign countries. In the case of typical household expenditures of \$1,000 in Newfoundland, \$1,370 remain in that province, \$41 accrues to the other Atlantic Provinces and \$515 finds its way to Central Canada. The reader should bear in mind the fact that the impact of an initial expenditure of \$1,000 in this example has been blown up, so to speak, by applying the consumption multiplier which is built into Model II. The "leakages" to Central Canada, where re-spent there in similar manner, will similarly yield further round of income there.

The weak interdependence within the Atlantic Region can also be illustrated with respect to the impact of final expenditure categories. Table 4.37 is presented in dollar flows and is analogous to Table 4.11 in Section II. We observe that Nova Scotia's foreign exports generate \$119.2 million factor income within Nova Scotia, \$2.7 million in New Brunswick; \$1.4 million in Prince Edward Island and \$2.1 million in Newfoundland. Total impact on the Atlantic Provinces is thus \$125.4 million, of which 95.1% accrues to Nova Scotia.

Total factor income generated in Nova Scotia by virtue of final expenditures in Nova Scotia is \$4,113.6 million. In addition, Nova Scotia's final demand generated factor incomes of \$25.4 million in New Brunswick, \$9.8 million in Prince Edward Island and \$8.4 million in Newfoundland. Total impact on all Atlantic Provinces was \$1,157.2 million. The situation is similar with respect to the other provinces. Newfoundland, for example, earns \$230.9 million factor income from its foreign exports. In addition there is a "spill over" to Nova Scotia of \$5.4 million, New Brunswick \$2.7 million and Prince Edward Island \$1.3 million. Thus 96.1% of the total Atlantic factor income of \$240.3 million generated by Newfoundland's exports remain in Newfoundland.

¹¹ Percentages refer to the proportion of Atlantic income which accrued to the province in which expenditure was made.

TABLE 4.37. Direct and Indirect Incomes and Employment generated by Final Expenditures
Inter-regional Model II

		F	actor incomes					Employment		
	Nova	New Bruns-	Prince Edward	New- found-	Atlantic	Nova	New Bruns-	Prince Edward	New- found-	Atlantic total
	Scotia	wick	Island	land	total	Scotia	wick	Island	land	totai
	1	m	illions of dolla	ars		1	thousa	ands of emplo	yees ;	
Nova Scotia:					1			}		
Exports: Foreign	119.2	2.7	1.4	2.1	125.4	24.2	0.5	0.4	0.7	25.
Canada Exogenous personal expenditure Capital formation	168.4 90.5 131.4	3.5 3.8 4.6	1.6 1.9 0.9	2.2 0.9 0.8	175.7 97.1 137.7	32.8 18.1 25.7	0.7 0.8 0.8	0.5 0.6 0.3	0.8 0.3 0.2	34. 19. 27.
Federal government: Defence Civilian Provincial government Municipal government Education	156.6 133.1 100.7 34.0 112.4	2.8 2.3 1.9 0.6 1.9	1.1 0.9 0.6 0.2 0.7	0.7 0.5 0.4 0.1 0.4	161.2 136.8 103.6 34.9 115.4	28.0 25.9 16.8 6.4 21.3	0.6 0.5 0.4 0.1 0.4	0.3 0.3 0.2 0.1 0.2	0.2 0.2 0.1 0.0 0.1	29. 26. 17. 6. 22.
Hospitalization	1,113.6	25.4	9.8	0.3	1,157.2	18.5 217.7	0.3 5.1	3.0	0.1 2.7	19. 228.
New Brunswick:										
Exports: Foreign Canada Exogenous personal expenditure	4.5 3.2 3.0	167.8 104.9 71.5	1.1 0.8 0.7	0.1	173.5 108.9 75.2	1.0 0.7 0.6	29.9 20.6 14.3	0.4 0.3 0.2	0	31. 21. 15.
Capital formation	7.2	130.0	0.5		137.7	1.3	25.4	0.1	-	26.
Federal government: Defence	1.1	63.7	0.2		65.0	0.3	11.5	0.1	_	11.
Civilian Provincial government Municipal government	1.1 2.0 0.6	64.3 96.6 27.3	0.2 0.3 0.1		65.6 98.9 28.0	0.2 0.4 0.1	12.8 16.2 4.8	0.1 0.1 -	- - -	13. 16. 4.
Education	1.5	80.7 48.9	0.3 0.2		82.5 50.1	0.3	17.0 14.4	0.1 0.1	- -	17. 14.
Totals	25.2	855.7	4.4	0.1	885.4	5.1	166.9	1.5	0	173.
Prince Edward Island:									,	
Exports: Foreign Canada Exogenous personal expenditure	0.8 1.2 1.6	0.4 0.6 1.2	8.4 12.3 15.5	0	9.6 14.1 18.3	0.1 0.2 0.3	0.1 0.1 0.2	2.5 3.7 3.9	0	2. 4. 4.
Capital formation	1.5	0.8	10.6	America .	12.9	0.3	0.1	2.3	-	2.
Federal government: Defence	0.8	0.5	15.0	Manu	16.3	0.1	0.1	3.0	_	3.
Civilian	0.6	0.4	11.6 19.8	_	12.6 21.8	0.1	0.1	2.5		2. 4.
Municipal government	0.2	0.1	2.8 10.6	_	3.1	0.1	-	0.6	_	0.
Hospitalization	0.3	0.2	5.7	_	6.2	0.1	0.1	2.1	_	2.
Totals	8.8	5.2	112.3	0	126.3	1.5	0.9	26.9	0	29.
Newfoundland:										
Exports: Foreign	5.4	2.7	1.2	222.0					10.5	44
Canada	5.4 0.8 2.4	2.7 0.4 1.4	1.3 0.2 0.9	230.9 35.4 44.1	240.3 36.8 48.8	1.1 0.1 0.5	0.5 0.1 0.3	0.4 0 0.3	42.6 5.2 9.1	44. 5. 10.
Capital formation	2.7	0.7	0.5	75.1	79.0	0.7	0.3	0.1	14.3	15.
Defence Civilian Provincial government	0.3 1.2 2.2	0.1 0.6 1.1	0.1 0.3 0.4	12.6 44.5 79.0	13.1 46.6 82.7	0.1 0.2 0.4	0.1 0.2	- 0.1 0.1	2.4 8.5 12.9	2. 8. 13.
Municipal government Education Hospitalization	0.4 0.9 0.9	0.2 0.5 0.5	0.1 0.2 0.3	12.9 42.4	13.6 44.0	0.1 0.2	0.1	0.1	2.3 11.1	2. 11. 9.
Totals	17.2	8.2	4.3	32.0	33.7	0.2	0.1	0.1	8.7	
	11.2	0.2	4.3	608.9	638.6	3.6	1.7	1.2	117.1	123.

TABLE 4.38, Direct and Indirect Household Income and Employment Generated Per Million Dollars of Final Sales Inter-regional Model III

		Но	usehold incor	ne			1	Employment		
	Nova Scotia	New Bruns- wick	Prince Edward Island	New- found- land	Atlantic total	Nova Scotia	New Bruns- wick	Prince Fdward Island	New- found- land	Atlantic total
		the	ousands of do	llars			nu	mbers employ	yed	
Nova Scotia:	1									
Agricultural products	1,089	32	14	8	1,143	317	7	4	3	331
Forestry products	1,166	27	11	6	1,210	303	6	3	2	314
Fish	1,187	26	10	6	1,229	302	6	3	2	313
Mining products	1,132	22	9	5	1,168	230	5	3	2	240
Food, textiles	922	28	19	36	1,005	221	7	6	14	248
Wood, paper	770	18	6	5	799	162	4	2	1	169
Steel, metals	767	18	6	5	796	160	4	2	1	167
Petroleum, chemicals	767	18	6	5	796	160	6	2	1	167
Construction	987	26	8	6	1,027	214	6	2	2	224
Transportation, etc	1,176	23	9	5	1,213	264	5	3	. 2	274
Distribution	1,176	23	9	5	1,213	264	5	3	2	274
Services n.e.s.	1,064	20	8	5	1,097	222	5	3	2	232
DOMINOS IIVIO					1.004	137	6	1 4	2	149
Households	1,621	25	12		1,664		6			276
Education	1,281	24	10			265				344
Hospitalization	1,150	24	10			330	6			246
Provincial government	1,146	24	9			235	6	3		261
Municipal government	1,232	25	10	5	1,272	250	6	3	2	201
New Brunswick:			1							
Agricultural products	31	1,080	6	1	1,118	7	301	2	-	310
Forestry products	25	1,215	5	-	1,245	6	284	. 2	_	292
Fish	25	1,226	5	-	1,256	6	285	2	-	293
Mining products	14	602	2	2 -	618	3	115	1	_	119
Food, textiles	54	723	17	7	. 795	13	174	7	_	194
Wood, paper	21	817		3 -	841	5	171	1	, appear	177
,		014		3 -	840	5	171	1	-	177
Steel, metals	21			3 -	840	,	171	1 1	-	177
Petroleum, chemicals	2:			4 -	963		20:	5	-	213
Construction	31			4 -	1 100		274	4	2 -	281
Transportation, etc	2:			4 -	1.100		5 274	4	2 -	281
Distribution				4 -	000		5 21	4	1 -	220
Services n.e.s	2	2 97:								145
Households	2	7 1,59	9	6	1,633		5 13		2 -	293
Education		7 1,22	8	5 -	1,26		6 28		2 -	364
Hospitalization		7 1,15	8	5 -	1,19		6 35		2 -	241
Provincial government		6 1,10	8	4	1,13		6 23		2 -	
Municipal government		7 1,17	7	5 -	1,20	9	6 24	8	2 -	256

TABLE 4.38. Direct and Indirect Household Income and Employment Generated Per Million Dollars of Final Sales — Concluded Inter-regional Model III

		Но	usehold incom	ne				Employment		
	Nova Scotia	New Bruns- wick	Prince Edward Island	New- found- land	Atlantic total	Nova Scotia	New Bruns- wick	Prince Edward Island	New- found- land	Atlantic total
		tho	usands of doll	ars		1	nu	mbers employ	eđ	
Prince Edward Island: Agricultural products	95	49	922	1	1,067	20	11	294	_	32
Forestry products	93	49	923	1	1,066	20	11	303	_	33
Fish	73	43	925	1	1,042	16	10	405	_	43
	60	40	1,437	1	1,538	13	9	180	_	20
Mining products	66	47	765	1	879	14	11	239	_	26
Food, textiles		35	640	1	744	14	8	170	_	19
Wood, paper	68		040	1	/ 44	17	0	170		
Steel, metals	68	35	640	1	744	14	8	170	-	19
Petroleum, chemicals	68	35	640	1	744	14	8	170	400	19
Construction	87	42	759	1	889	18	9	191	_	21
Transportation, etc	62	36	1,116	1	1,215	13	8	302	-	32
Distribution	62	36	1,116	1	1,215	13	8	302	_	32
Services n.e.s	50	29	814	1	894	11	7	229	_	24
Households	59	41	1,543	1	1,644	13	9	152	_	17
Education	58	36	1,100	1	1,195	13	8	289	_	31
Hospitalization	56	38	960	1	1,055	12	9	371	-	39
Provincial government	65	37	943	1	1,046	14	8	226	_	24
Municipal government	59	34	926	1	1,020	13	8	247	_	26
Newfoundland:										
Agricultural products	44	25	14	969	1,052	10	6	4	292	31
Forestry products	34	17	9	1,141	1,201	8	4	3	448	46
Fish	34	17	9	1,146	1,206	8	4	3	453	46
Mining products	21	10	5	633	669	5	2	1	122	13
Food, textiles	32	17	10	974	1,033	7	4	3	290	30
Wood, paper	26	13	6	809	854	6	3	2	205	21
Steel, metals	26	13	6	809	854	6	3	2	205	21
Petroleum, chemicals	26	13	6	809	854	6	3	2	205	21
Construction	37	17	6	812	872	8	4	2	179	19
Transportation, etc	29	15	8	1,127	1,179	7	3	3	265	27
Distribution	29	15	8	1,127	1,179	7	3	3	285	27
Services n.e.s	21	11	6	787	825	5	3	2	180	19
Households	30	17	10	1,508	1,565	7	4	3	122	13
Education	29	15	.8	1,091	1,143	7	3	2	319	33
Hospitalization	33	17	10	1,008	1,068	7	4	3	293	30
Provincial government	30	15	8	1,002	1,055	7	3	2	208	22
Municipal government	31	14	6	800	851	7	3	2	180	19

TABLE 4.39. Direct and Indirect Incomes and Employment generated by Final Expenditures
Inter-regional Model III

			Inter-reg	nonal Mode	1111					
		Fa	ctor incomes				1	Employment		
	Nova Scotia	New Bruns- wick	Prince Edward Island	New- found- land	Atlantic total	Nova Scotia	New Bruns- wick	Prince Edward Island	New- found- land	Atlantic total
		mil	lions of dollar	rs .			thou	sands of emplo	oyees	
N. Cardia	1	1		1						
Nova Scotia: Exports:										
Foreign	140.3	3.7	1.7	2.5	148.2	28.3	0.7	0.5	0.8	30.3
Canada	198.4	4.8	2.1	2.7	208.0	38.6	1.0	0.6	0.9	41.1
Exogenous personal expenditure	109.4	4.7	2.2	1.1	117.4	21.7	0.9	0.6	0.3	23.5
Capital formation	153.2	5.9	1.2	1.1	161.4	29.9	1.1	0.3	0.2	31.5
Federal government:								0.4	0.21	33.8
Defence	179.1	3.9	1.5	0.9	185.4	32.4	0.8	0.4	0.2	30.8
Civilian	152.2	3.1	1.2	0.7	157.2	29.6	0.6	0.4	0.2	27.3
Federal transfers	125.1	2.8	1.0	0.6	129.5	9.2	0.0	0.1	0.1	9.6
Public sector borrowings	47.1	1.0	0.4	0.2	48.7	9.2	0.2	0.1	0.2	
Totals	1,104.8	29.9	11.3	9.8	1,155.8	215.9	5.9	3.2	2.9	227.9
New Brunswick:					1					
Exports:					- 1					
Foreign	6.7	197.1	1.4	0.1	205.3	1.3	35.7	0.5		37.5
Canada	4.2	124.2	1.0		129.4	0.9	24.4	0.4		25.7
Exogenous personal expenditure	3.7	84.4	0.8	0.1	89.0	0.7	16.9	0.3		17.9 32.0
Capital formation	9.1	153.6	0.7	0.1	163.5	1.7	30.1	0.2		34.0
Federal government:							10.0	0.1	1	13.6
Defence	1.6	72.4	0.3		74.3	0.3	13.2	0.1		15.0
Civilian	1.5	73.3	0.3	* * * *	75.1	0.3	14.6 25.3	0.1		26.1
Federal transfers	2.9	117.9	0.5		121.3	0.6	5.3			5.4
Public sector borrowings	0.6	25.7	0.1	• • •	26.4	0.1	3.0			1000
Totals	30.3	848.6	5.1	0.3	884.3	5.9	165.5	1.8		173.2
Prince Edward Island:										
Exports:					110	0.2	0.1	2.8		3.1
Foreign	1.0	0.6	9.6		11.2	0.2	0.1	4.1		4.5
Canada	1.5	0.8	14.1		16.4	0.3	0.3	4.7		5.4
Exogenous personal expenditures	2.1	1.5	18.9		15.3	0.4	0.2	2.7		3.3
Capital formation	1.9	1.0	12.4		15.5	0.1	-			
Federal government:			160		18.6	0.2	0.1	3.4		3.7
Defence	1.1	0.6	16.9		14.4	0.2	0.1	2.8		3.1
Civilian	0.8	0.5	13.1 19.4		21.6	0.2	0.1	4.7		5.0
Federal transfers	1.4	0.8			5.9	0.1		1.2		1.3
Public sector borrowings	0.4	0.2	3.5				1.0	26.4		29.4
Totals	10.2	6.0	109.7		125.9	2.0	1.0	20.4		
							1			
Newfoundland:										1
Exports:	0.4	3.7	1.8	259.8	272.7	1.5	0.7			
Foreign	7.4	0.5				0.2				
Canada	1.1	2.0			48.6		1			
Exogenous personal expenditures	6.2	3.2			95.1	1.0	0.4	0.2	16.5	18.1
Capital formation	3.3	3.4							2.7	2.8
Federal government:	0.4	0.3	0.1	14.0		1		1 0 1		
Defence		0.8		1			1			
Federal transfers	2.2	1.7	0.8						2.7	
Public sector borrowings	0.5	1	0.1	14.9	15.7	0.1		***	3.2	
Totals	22.1		4.9	607.9	647.3	4.4	1.5	1.3	117.0	124.
		1								

We may look at the situation also from the point of view of the origin of factor incomes earned within any province. Thus we note that \$129.9 million of Nova Scotia factor income arises from Atlantic Provinces exports to foreign countries. Of this \$129.9 million, \$119.2 million or 91.8% derives from Nova Scotia's own exports; \$4.5 million (3.5%) is feedback from New Brunswick's foreign exports; \$5.4 million (4.2%) from Newfoundland's. Again we note that Newfoundland has relatively fewer economic links with the other Atlantic Provinces than they have among each other.

Table 4.38 is similar to Table 4.36 and shows the inter-regional impact of a typical thousand dollars of expenditure on each of the 17 activities in Model III.

We may again take as our example food and clothing products. Final expenditure of \$1,000 on these products in Nova Scotia generates \$922 in household income in Nova Scotia, \$28 in New Brunswick, \$19 in Prince Edward Island and \$36 in Newfoundland. Total household income generated in all Atlantic Provinces is \$1,005. We note that the demand for one unit of the household industry, i.e., the effect of the typical expenditure of \$1,000 by households in Nova Scotia yields total household income of \$1,621 in Nova Scotia; \$25 in New Brunswick, \$12 in Prince Edward Island and \$6 in Newfoundland. Total income generated in all Atlantic Provinces is thus \$1,664. We note that Nova Scotia obtains 97.4% of all household income generated within the Atlantic Provinces.

Table 4.39 is similar to Table 4.37 and shows the Model III inter-regional impact of final demand categories in flow terms. Thus, in Model III, where households and local governments are treated as intermediate activities, Nova Scotia's shipments to Central Canada generate \$198.4 million factor income in Nova Scotia; \$4.8 million in New Brunswick; \$2.1 million in Prince Edward Island and \$2.7 million in Newfoundland. Total effect on the Atlantic Provinces is \$208.0 million.

V. Interdependence and the General Input-output Multiplier

In this section we return to our discussion of the set of ratios we have defined as input multipliers. We define a vector of input multipliers α corresponding to a coefficient matrix A and its Leontief inverse $(I-A)^{-1}$. We note that the set of input multipliers α is almost totally invariant to the set of direct input coefficients of

A (column sums of A) or the set of output multipliers (column sums of $(I-A)^{-1}$ (see Chart 4.3). We proceed to define a single (scalar) measure of interdependence which we call the general or Leontief input-output multiplier \overline{k} . We suggest that \overline{k} is more convenient, elegant and useful as a scalar measure of interdependence than the conventional ratio of total intermediate uses to the sum of gross value of output. Furthermore, \overline{k} is a characteristic of the coefficient matrix A and is derived without reference to flow data.

The scalar input-output multiplier \overline{k} quantifies

what is sometimes loosely referred to as the "matrix" or "Leontief" multiplier as distinct from the "final demand" "consumption" or "Keynesian" multiplier. As we shall see, the general input-output multiplier \overline{k} is equal to $\frac{1}{1-\lambda_r}$ where λ_r is the largest characteristic root of A, and is a measure of the demand of the production system for domestically produced inputs. The general input-output multiplier \overline{k} is clearly an important and useful parameter of an economy complementary to the well-known Keynesian multiplier, $k=\frac{1}{1-c}$ which measures the demand of final income earners for domestically produced consumer goods. We suggest that the scalar $\overline{k}=\frac{1}{1-\lambda_r}$ uniquely defines the general or Leontief input-output multiplier and should become as familiar to economists dealing in partial or sectoral analysis as is

When the economy is open to trade, the scalar measure of interdependence can be decomposed into two (additive) portions measuring the structural interdependence of the system in the absence of imports on the one hand, and the (negative) effects of import leakages on the other. Here again, we note the analogous form of the general Leontief input-output multiplier

the Keynesian concept of the final demand or con-

$$\overline{k} = \frac{1}{1 - (\ell_{rd} - \ell_{rm})}$$
 with the Keynesian multiplier

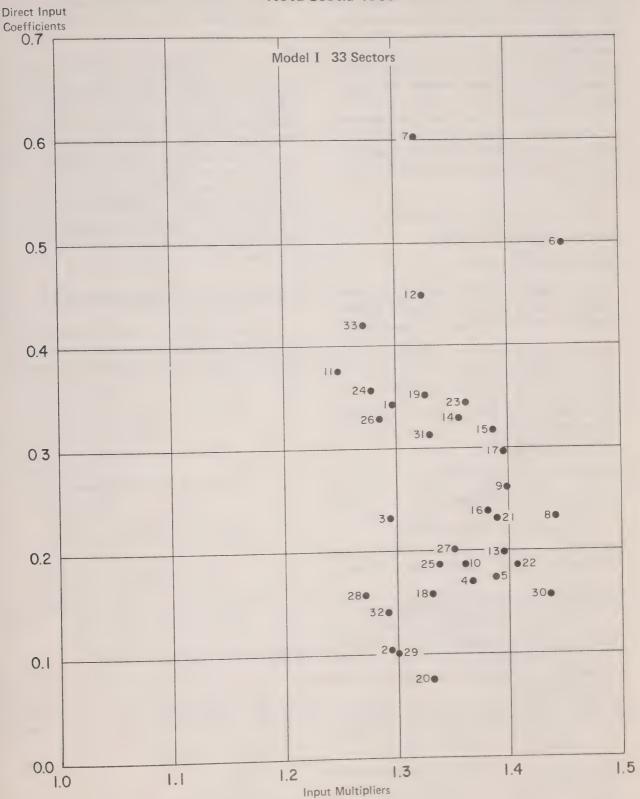
 $k = \frac{1}{1-(c-m)} \mbox{ where } \lambda, \mbox{ the largest characteristic root}$ of A is decomposed into a positive "domestic" component ℓ_{rd} and a negative import leakage component

 $\ell_{\rm rm}$.

sumption multiplier.

In the course of this section we elaborate the substantive significance of the proposed input multipliers α and \overline{k} in yielding a clearer understanding of the

Relationship Between Input Multipliers and Corresponding Direct Input Coefficients, Nova Scotia 1965



nature of structural interdependence. As a result we suggest a simple approximation technique for the estimation of the total indirect impact of a specified set of expenditures on macro-economic variables such as income, employment or foreign exchange requirements — without explicit reference to input-output tables. Such approximation techniques are particularly useful in planning agencies in situations where it is not convenient or economical to programme complete input-output models. Even where estimates of economic impact have been made by input-output practitioners, the approximation technique here suggested can provide a good and rapid check on the quality of such estimates, and incidentally on the professional competence of the practitioners.

The notation used here will be as follows:

A is the coefficient matrix $\mathring{J}(I - \hat{\mu})\mathring{B}$

R is the matrix $[I - \mathring{J}(I - \hat{\mu})\mathring{B}]^{-1}$

- J is the (rectangular) coefficient matrix $J\hat{q}^{-1}$ where J is a flow matrix of commodity outputs by industries and q is a flow vector of commodity output levels
- B is the (rectangular) coefficient matrix Bg -1 where B is a flow matrix of commodity inputs to industries and g is a flow vector of industry output levels
- $\hat{\mu}$ is the diagonalozed vector of import coefficients defined by $\hat{m} = \hat{\mu}(Bg + d)$ where d is a vector of domestic final demand.

u' is the vector i'A of column sums of A

r' is the vector i'R of column sums of R

We proceed by the following five steps:

- (i) We define an average input multiplier k for any input-output matrix A and its Leontief inverse (I - A) - 1.
- (ii) We define an orthogonal transformation of A and $(I-A)^{-1}$ which, when iterated, ultimately yields the value of the general input-output multiplier \overline{k} . This scalar characterizes the interdependence of the system A and is designated as the general input-output multiplier.
- (iii) We prove that the general input-output multiplier \overline{k} is a simple algebraic variant of the largest characteristic root (eigen value) of the coefficient matrix A.
- (iv) We define a vector P_k which characterizes the general structure of linkages within the production system A. The elements of this vector sum to \overline{k} .

(v) Finally, we decompose the scalar measure of interdependence \overline{k} into two (additive) scalars; one denoting the structural interdependence of the system in the absence of import leakages and the other representing import leakages. The latter is, of course, negative.

At the end of this section we present numerical results for each of the four Atlantic Provinces (1965) and for Canada (1961) and indicate a useful rule of thumb approximation technique whereby estimates of indirect impacts of any final demand vector on major primary inputs such as income, taxes or employment, may be obtained without direct reference to the input-output model. The technique is particularly useful where interdependence is relatively weak and convergence rapid. It is suggested that these conditions obtain not only for the Atlantic Region, but for Canada as a whole.

1. Definition of the Average Input Multiplier k

The average input multiplier k of a matrix A and its inverse R is defined as the weighted average of the vector α' with respect to the column sums of the matrix A.

$$k = \alpha' u \ \widehat{i'} u^{k-1}$$
 where $\alpha' = i' \ (R - I) \ \widehat{i'} A^{k-1}$

Individual elements of α being

$$\alpha_1 = \underbrace{r_1 - 1}_{u_1}$$

$$\alpha_2 = \underline{r_2 - u_2}$$

$$\alpha_n = \underline{r_n - 1}$$

We note that

$$k = \frac{1}{\Sigma u} \qquad \boxed{\frac{u_1(r_1 - 1)}{u_1}} + \dots \qquad \frac{u_n(r_n - 1)}{u_n}$$
$$= \frac{\Sigma r - n}{\Sigma u} = \frac{\Sigma \Sigma r_{ij} - n}{\Sigma \Sigma u_{ii}}$$

We may thus write k as $(i'Ri - n)(i'Ai)^{-1}$

2. Definition of the Orthogonal Transformation A_t : $\leftarrow 1$ $\stackrel{\frown}{A}$ $\stackrel{\frown}{A}$ $\stackrel{\frown}{A}$ $\stackrel{\frown}{A}$

 A_t is formed by a normalization of A with respect to the set of its column sums i'A. The input multipliers α' of A are the set of column sums r(output multipliers) of the Leontief inverse of the transformed coefficient matrix A_t .

Proof:

Consider the matrix $A_t = iA A iA^{-1}$

From its definition,

$$\alpha = [i' (I - A)^{-1} - i'] i'A^{-1}$$

$$= i' [(I - A)^{-1} - I] i'A^{-1}$$

$$= i' [A(I - A)^{-1}] i'A^{-1}$$

$$= i' [A(I - A)^{-1}] i'A^{-1}$$

$$= i' [(I - A)^{-1}] i'A^{-1}$$
Because $A_t = i'A A i'A^{-1}$

 $\alpha' = i' [I - A_t]^{-1}$

and therefore $\alpha' = r_t'$

Further because

$$\hat{i} \stackrel{\frown}{A} [I - A]^{-1} \hat{i} \stackrel{\frown}{A}^{-1} \equiv [I - \hat{i} \stackrel{\frown}{A} A \hat{i} \stackrel{\frown}{A}^{-1}]^{-1}$$

$$R_t = \hat{i} \stackrel{\frown}{A} R \hat{i} \stackrel{\frown}{A}^{-1} \equiv [I - A_t]^{-1}$$

Evidently we obtain the transformed inverse R_t from R by the same orthogonal transformation which yields A_t from A.

The transformation performed on the original matrix A and its Leontief inverse R yields a new coefficient matrix $A_t = \widehat{i'A} A \widehat{i'A}^{-1}$ and a new $R_t = \widehat{i'A} R \widehat{i'A}^{-1}$. The transformation is iterative. Thus there exists a coefficient matrix $A_{t2} = \widehat{iA}_t A_t \widehat{i'A}_t^{-1}$ and a corresponding $R_{t2} = \widehat{i'A}_t R_t \widehat{i'A}_t^{-1}$, etc. In each case, $\alpha_t' = r'_{tt}$ i.e. the input multipliers of A and R are identical with the output multipliers of A_t and $A_t A_t \widehat{i'A}^{-1}$.

Further because

$$A_{tt} = i'i'A A i'A - 1 i'A A i'A - 1 i'i'A A i'A - 1 - 1$$

and

$$R_{tt} = i'i'A A i'A - 1 i'A R i'A - 1 i'i'A A i'A - 1 - 1$$

it follows that

$$A_{tt} = i'A^2 A i'A^2 - 1$$

and

$$R_{tt} = \overrightarrow{i'A^2} R \overrightarrow{i'A^2} - 1$$

and in general

$$A_{t^{S}} = \hat{i}'A^{S} A \hat{i}'A^{S} - 1$$

and

$$R_{tS} = i'A^{S} R^{i'A^{S}-1}$$

3. The General Input-output Multiplier of a Matrix A

A matrix A with a Leontief inverse R has a set of output multipliers r defined as i'R; a set of input multipliers α' defined as i'(R-I) i'A-1; an average input multiplier k defined as (i'Ri'-n) (i'Ai)-1. We now proceed to define \overline{k} which we call the general input-output multiplier of A as:

$$\overline{k} = [i'R_{t}si - n][i'A_{t}si]^{-1}$$
 as $s \to \infty$

From
$$i'A^s R i'A^{s-1} = [I - i'A^s A i'A^{s-1}]^{-1}$$

we obtain

$$\overline{k} = [i'i'A^sRi'A^s^{-1} - n][i'i'A^sAi'A^s^{-1}]^{-1}$$
 as $s \to \infty$

Because any square matrix with distinct eigen values can be expressed in the form

$$A = P \wedge P^{-1}$$

and
$$[I - A]^{-1} = P(I - \Lambda)^{-1} P^{-1}$$

and As
$$= P \wedge P^{-1}$$

we can write

$$\overline{k} = [i' \ i' P \Lambda s P^{-1} P (I - \Lambda)^{-1} P^{-1} i' P \Lambda s P^{-1} i^{-1} - n]$$

times
$$[i'i'P\Lambda sP - 1 P\Lambda P - 1 i'P\Lambda sP - 1 i] - 1$$

=
$$[i' P \Lambda^s (1 - \Lambda)^{-1} P^{-1} \quad \widehat{i' P \Lambda^s P^{-1}} \hat{i}^1 - n] [i' P \Lambda^s + 1 P^{-1} \widehat{i P \Lambda^s P^{-1}}^{-1}]^{-1}$$

For large values of s all values of Λ^s except the value in the location of the largest characteristic root λ_r vanish. Therefore,

$$\overline{k} = \begin{bmatrix} \lambda_r s \\ 1 - \lambda_r \end{bmatrix} i' \qquad P_r \stackrel{?}{:} 0 \qquad P^{-1} \qquad 1 \qquad (i' P_r \stackrel{?}{:} 0 \qquad P^{-1} \stackrel{-1}{:} 1_{i-n})$$

$$times \begin{bmatrix} \lambda_r s + 1 & i' \\ \lambda_r s & 1 \end{bmatrix} \qquad P_r \stackrel{?}{:} 0 \qquad P^{-1} \qquad 1 \qquad (i' P_r \stackrel{?}{:} 0 \qquad P^{-1} \stackrel{-1}{:} 1_{i-n})$$

where P_1 : 0 is a square matrix containing the first column of P and otherwise zeros;

and thus

$$\overline{k} = \underbrace{\begin{bmatrix} 1 & n-n \\ 1-\lambda_r & \end{bmatrix}}_{\lambda_r n} = \underbrace{\frac{1}{1-\lambda_r}}_{r}$$

We note that $1 < \overline{k} < \infty$ because $0 < \lambda_1 < 1$ for all Leontief systems. Our general input-output multiplier thus ranges from a low value of unity representing zero interdependence to a finite but unbounded upper value.

4. Definition of the Vector Pk, Representing the General Structure of Linkages in A

The vector P_k is defined as any one of the columns in the matrix

$$R A_{s_i'A_s}^{-1} as s \rightarrow \infty$$

Consider the well known expansion

$$R = (I - A)^{-1} = I + A + A^2 + ... A^s$$
.

The first term (I) denotes one unit of direct demand for each of the industry outputs in the system. The second term (A) denotes the set of industry outputs required as direct inputs to I. The third term (A²) denotes the set of industry outputs required as direct inputs to A, etc. The set of total requirements for the production of I is of course given by R.

Now consider the expansion

$$R A \hat{i} \hat{A}^{-1} = A \hat{i} \hat{A}^{-1} + A A \hat{i} \hat{A}^{-1} + A^2 A \hat{i} \hat{A}^{-1} + \dots$$

The first term denotes direct demand for the set of industry inputs $A \stackrel{?}{i} A^{-1}$. Each column in the matrix $A \stackrel{?}{i} A^{-1}$ consists of the normalized column vectors of A. This means that for our purposes here the direct requirements for final demand are composed of units of industry input mix, one for each industry in the system. The second term denotes the

set of industry outputs required as direct inputs to the production of $A i A^{-1}$ etc. The set of total requirements for the production of $A i A^{-1}$ is $R A i A^{-1}$.

Now consider the expansion

$$R A^{2} i'A^{2} - 1 = A^{2} i'A^{2} - 1 + A A^{2} i'A^{2} - 1 + \dots$$

Here R A² i'A² -1 clearly denotes the total set of industry outputs required for the production of A² i'A² -1 as a final demand, where A² i'A² -1 is the normalized matrix A². Recall that A² are the set of inputs directly required to produce the inputs to A, where A are the direct inputs to I.

It is now apparent that $RA^si'A^{s-1}$ as $s\to\infty$ is the matrix of total industry requirements for the normalized set of general inputs $A^si'A^{s-1}$. We shall show that each and every column of $RA^si'A^{s-1}$ ($s\to\infty$) is the vector P_k , where P_k is an eigen vector corresponding to the largest eigen value (characteristic root) of A. Furthermore i' $RA^si'A^{s-1}$ is the row vector $\overline{k}i'$, i.e. the column sum of P_k is \overline{k} . The vector P_k thus represents the general structure of linkages of A. It is unique to A, and is the industry disaggregation of the general input multiplier \overline{k} . Thus the vector P_k represents the general structure of industrial linkages implicit in A. Each of its elements represents the total industry output levels required for the production of the general set of inputs $A^si'A^{s-1}$ ($s\to\infty$).

Proof:

Because a square matrix with distinct eigen values may be expressed as PAP -1, we may write R As i'As -1 as

$$P(I - \Lambda)^{-1} P^{-1} P \Lambda s P^{-1} i' P \Lambda s P^{-1}^{-1}$$

$$= P(I - \Lambda)^{-1} \Lambda s P^{-1} i' P \Lambda s P^{-1}^{-1}$$

$$= \frac{\lambda_r s}{1 - \lambda_r} | 0 : P_r : 0 | P^{-1} 1 i' | 0 : P_r : 0 | P^{-1}^{-1}$$

$$= \frac{1}{1 - \lambda_r} | 0 : P_r : 0 | P^{-1} i' | 0 : P_r : 0 | P^{-1}^{-1}$$

$$= | P_k, P_k \dots P_k | \text{ where } i' | P_k, P_k \dots P_k | = i' \frac{1}{1 - \lambda_r} \text{ or } i' \overline{k}$$

For example, where n=3 and the largest characteristic root is assumed to be found in the second location (r=2); we have

$$= \frac{1}{1 - \lambda_2} \begin{vmatrix} P_{12} P_{21}^{-1} & P_{12} P_{22}^{-1} & P_{12} P_{23}^{-1} \\ P_{22} P_{21}^{-1} & P_{22} P_{22}^{-1} & P_{22} P_{23}^{-1} \\ P_{32} P_{21}^{-1} & P_{32} P_{22}^{-1} & P_{32} P_{23}^{-1} \end{vmatrix}$$

$$= \frac{\overline{k}}{\Sigma P} \begin{vmatrix} P_{12} & P_{12} & P_{12} \\ P_{22} & P_{22} & P_{22} \\ P_{32} & P_{32} & P_{32} \end{vmatrix}$$

$$= \begin{vmatrix} P_{k}, & P_{k}, & P_{k} \end{vmatrix} \text{ where } n = 3.$$

5. Decomposition of λ_r into ℓ_{rd} and ℓ_{rm} , where ℓ_{rd} is a Scalar Measure of the Structural Interdependence of \hat{J} (I - $\hat{\mu}$) \hat{B} on the Assumption that there are no Import Leakages $\hat{\mu}$, and ℓ_{rm} is a Measure of the Diminution of Linkages attributable to Import-leakages. $\lambda_r = \ell_{rd} - \ell_{rm}$

If A contains import leakages, as is the case in our model where $A = \overset{*}{J}(1-\hat{\mu})\overset{*}{B}$, it is possible to separate the effects of import leakages on linkages from the effects of internal structural relationships on linkages. Import leakages will always diminish the scalar coefficient of interdependence \overline{k} below the value it would have had, in the absence of competitive imports. By this decomposition, it is possible to determine, for open economies, the degree to which weak interdependence is attributable to import leakages (openness) and the degree to which it is attributable to under-developed internal economic structures.

Consider
$$\overline{k} = \frac{1}{1 - \lambda_r}$$

We can write

$${}^{*}_{J}(I - \hat{\mu}) {}^{*}_{B} = P \wedge P^{-1}$$

and
$$P^{-1} \mathring{J} (I - \hat{\mu}) \mathring{B}P = \Lambda$$

The largest characteristic root λ_{r} will be

$$\lambda_{\mathbf{r}} = \begin{bmatrix} 0 \\ P_{\mathbf{r}}^{-1} \\ 0 \end{bmatrix} \quad \stackrel{*}{\mathbf{J}} (\mathbf{I} - \hat{\mu}) \stackrel{*}{\mathbf{B}} \quad \begin{bmatrix} 0 \\ P_{\mathbf{r}} \end{bmatrix} 0$$

where P_r is the eigen vector corresponding to the largest characteristic root of \mathring{J} $(I - \hat{\mu}) \overset{*}{B}$.

Thus

$$\lambda_{\mathbf{r}} = \begin{bmatrix} 0 \\ \vdots \\ P_{\mathbf{r}}^{-1} \\ \vdots \\ 0 \end{bmatrix} \quad \begin{cases} ** \\ \mathbf{JB} \\ 0 \\ \end{bmatrix} \quad P_{\mathbf{r}} \quad 0 \\ \end{bmatrix} \quad - \quad \begin{bmatrix} 0 \\ \vdots \\ P_{\mathbf{r}}^{-1} \\ \vdots \\ 0 \end{bmatrix} \quad \begin{bmatrix} * & * \\ \mathbf{J} & \hat{\mu} & \mathbf{B} \\ \end{bmatrix} \quad \begin{bmatrix} 0 \\ \vdots \\ P_{\mathbf{r}} & 0 \end{bmatrix}$$

or
$$\lambda_{r} = \ell_{rd} - \ell_{rm}$$
 and
$$\bar{k} = \frac{1}{1 - (\ell_{rd} - \ell_{rm})}$$

In order to calculate ℓ_{rd} and ℓ_{rm} we require the vector P_r^{-1} , corresponding to the largest characteristic root λ_r and the eigen vector o P_r.

Because

$$RAs \widehat{i'As}^{-1} = \frac{\lambda_r s}{1 - \lambda_r} \quad \left| \begin{array}{c} 0 \\ \end{array} \right| \quad P_r \quad \left| \begin{array}{c} 0 \\ \end{array} \right| \quad P^{-1} \widehat{i'As}^{-1}$$

which also equals
$$\frac{\lambda_r s}{1-\lambda_r} \qquad P \qquad \begin{vmatrix} 0 \\ \cdots \\ P_r^{-1} \\ \cdots \\ 0 \end{vmatrix}$$
 i'As $^{-1}$

It follows that
$$\frac{\lambda_r s}{1-\lambda_r} P \begin{vmatrix} 0 \\ \\ P_r^{-1} \\ \\ 0 \end{vmatrix} \equiv A^s R$$

we obtain the matrix S as

$$S = P \begin{vmatrix} 0 \\ \vdots \\ P_r^{-1} \\ \vdots \\ 0 \end{vmatrix} = \begin{cases} 1 - \lambda_r \\ \lambda_r s \end{cases} A^s R$$

The first row of the left hand side of this expression is:

$$P_{1r} P_{r1}^{-1}$$
 $P_{1r} P_{r2}^{-1}$ $P_{1r} P_{r3}^{-1} \dots P_{1r} P_{rn}^{-1}$

Therefore, if we divide each element of the first row of matrix S by P_{1r} (which is the first element of the eigen vector P_r) we have the vector P_r^{-1} .

The matrix S is generated as a derivative of the coefficient matrix A, because both R and λ_r derive from A, as does the eigen vector P_r corresponding to λ_r . (It is evident that we could equally well divide each element of the second row of S by the second element of the eigen vector P_r , etc.)

Some Numerical Results and Their Economic Interpretation

In the computations of $\alpha,\,k,\,\lambda_r,\,\ell_{rd}$ and ℓ_{rm} we use as an illustrative example, the system for Nova Scotia in its 12 x 12 form (1965).

In Table 4.40 we show a procedure for deriving λ_r and k by successive transformations of the type defined above.

We note that:

- (a) the principal diagonals of A_t , A_{+2} , A_{+3} , ... A_{+s} are equal to that of A, and those of Rt, Rt2, Rt3, R_{+S} are equal to that of R where $R = (I - A)^{-1}$;
- (b) the vector of input multipliers α , derived from the (s-1)th transformation of A and R equals the vector of out multipliers (column sums of inverse R) at the sth transformation of A and R;

- (c) the set of direct input coefficient sums i'A, $i'A_t$, $i'A_t^2$... become ever more uniform (decreasing variance) and eventually converge to λ_r , the largest eigen value of A;
- (d) the set of input multipliers α_0 α_t α_t^2 and output multipliers r_0 r_t r_t^2 become ever more uniform

on successive transformations and converge to the value of the general input-output multiplier $\overline{k} = \frac{1}{1-\lambda_r} \;. \; \text{Convergence is so rapid that the value of } \overline{k} \; \text{ and } \lambda_r \; \text{ are obtained to three decimal places after}$

three transformations of A and R.

TABLE 4.40. Effects of Orthogonal Transformations $A_t \leftarrow i'A$ Ai'A⁻¹ with Respect To $A \equiv \mathring{J}(I - \hat{\mu}) \mathring{B}$ Illustrative 12 x 12, Nova Scotia, 1965

	Industries	Principal d	iagonals	Or	iginal matrix	A.	First transformation to At		
No.	industries	A	R - I	u	r	α	u _t	r _t	Ok
1 2 3 4 5 6 7 8 9 10 11 12	Agriculture Forestry Primary fishing Mining Food, textiles Sawmills, pulp and paper Iron, steel, metals, machinery Non-metals, petroleum, chemicals Construction Transportation, communications Distribution All other services	.006097 .000001 0 .001074 .030175 .048236 .050097 .013069 .000823 .078409 .004691	.012437 .000207 .004861 .003739 .042214 .052948 .056120 .016260 .010565 .102631 .008386 .082648	.345081 .097667 .226290 .176557 .443018 .386179 .282136 .116882 .369623 .312457 .202652 .190334	1.130259 1.301307 1.234692 1.604698 1.499335 1.378411 1.153579 1.486693 1.408220 1.270381	1.3337 1.3315 1.3292 1.3649 1.2930 1.3412 1.3139 1.3167 1.3064 1.3342	.2666 .2520 .2489 .2477 .2731 .2215 .2581 .2367 .2399 .2304 .2521 .2688	1.3588 1.3337 1.3315 1.3292 1.3649 1.2930 1.3412 1.3139 1.3167 1.3064 1.3342 1.3554	1.3456 1.3240 1.3318 1.3289 1.3359 1.3225 1.3220 1.3262 1.3198 1.3301 1.3254 1.3222
	Average: u			.2624	1.3495		.2497	1.3316	
	Average $\alpha(k)$					1.3316			1.3279
	Variance of u, r, α			.011243	.0201	.000415	.000052	.000415	.000049
	Coefficient of variance %			40.4	10.5	1.53	2.89	1.53	0.53
		Secon	nd transform	nation to A	1 t2	Third transformation to A t 3			
		u _t 2	rt	2	$\alpha_t 2$	u _t 3	r _t 3		Ο _ξ 3
1 2 3 4 5 6 7 8 9 10 11	Agriculture Forestry Primary fishing Mining Food, textiles Sawmills, pulp and paper Iron, steel, metals, machinery Non-metals, petroleum, chemicals Construction Transportation, communications Distribution All other services	.2600 .2444 .2500 .2484 .2519 .2430 .2428 .2461 .2412 .2491 .2452	1.34 1.32 1.33 1.32 1.33 1.32 1.32 1.33 1.33	240 318 389 359 225 220 262 198 301	1.3292 1.3255 1.3273 1.3242 1.3332 1.3273 1.3279 1.3252 1.3257 1.3250 1.3267 1.3242	.2478 .2456 .2467 .2446 .2509 .2468 .2459 .2454 .2457 .2453 .2466 .2446	1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3	292 255 273 242 273 229 259 252 257 250 267 242	1.3285 1.3253 1.3270 1.3254 1.3279 1.3261 1.3254 1.3251 1.3256 1.3249 1.3249
	Average: u	.2472				.2463			
	Average r		1.32	279			1.3	266	
	Average $\alpha(k)$				1.3266				1.3259
	Variance of u, r, α	.00002	5 .00	00049	.000006	.000002	.0	00006	.000001
	Coefficient of variance %	2.0	0.53	3	0.18	0.67	0.1	8	0.09

In the calculations of Table 4.40 the first approximation k(o) of k derives from the set of input multipliers α'_0 . The value of $k_{(0)}$ is 1.3316 (for the 12 x 12 matrix) with variance of .0004 or 1.6%. On the first transformation of A to At we obtain input multipliers α_t and the approximation k_t at 1.3279 with variance .00004 or .53%. On the second transformation of A_t to A_{t2} , we obtain input multipliers α_{t2} and the approximation k₊₂ at 1.3266 with variance of .000006 at .18%. On the third transformation to A₊₃, we obtain input multipliers at 3 and a value of kt3 at 1.3259 with variance .000001 (.09%). By projecting the rate of convergence it would seem that k to three decimal places (on 12 x 12 basis) is 1.325. We note that convergence is so rapid that the first approximation obtained directly from A and R as the weighted sum of the input multipliers is correct to three significant figures (two decimal places) at 1.33. We further observe that as iteration proceeds, each element in α' and r' tends to \overline{k} . We also note that each element in the vector $u' = i' \left[\widehat{i'A^s} A \widehat{i'A^s}^{-1} \right]$ tends to the value of characteristic root λ_r as iteration proceeds.

Table 4.41 shows the matrix R As i'As -1 (for Nova Scotia 12 x 12) where s is eleven, which approximated R. P. P. Where R. is the eigen vector

mates $|P_k, P_k \dots P_k|$ where P_k is the eigen vector corresponding to the largest eigen value of A. With eleven iterations we obtain a value of $\overline{k} = 1.325$ from $\overline{k} = i'P_k$; and a value of λ_r of 0.245 from $\lambda_r = \underline{k-1}$;

while the values of ℓ_{rd} and ℓ_{rm} (for the 12 x 12 matrix) are 0.306 and 0.061 respectively.

The input-output multiplier \overline{k} is equal to $\frac{1}{1-\lambda}$

where λ_r is the largest eigen value of A, and is a measure of the demand of the production system for domestically produced inputs. As in the case of the Keynesian system, the larger the value of λ_r , the larger the multiplier \overline{k} . Clearly the scalar input-output multiplier \overline{k} , as here defined, quantifies what is often loosely referred to as the "inter-industry" or "Leontief" multiplier, as distinct from the "Keynesian multiplier". At the level of macro-economic systems, where all intermediate transactions are netted out, and output is measured as net income, or "value added", the inter-industry multiplier has no existence or meaning. In analysing situations of partial equilibrium, however, it is exceedingly useful to have a unique measure of sectoral interdependence.

The familiar output multipliers r which derive from $(I-A)^{-1}$ measure gross value of (domestic) production required to produce one dollar of final demand for each of the industry outputs in the system. A value of r_j , for example, for industry j, tells us that there must be total gross outputs of (r-1) to produce the total inputs necessary for the final output of one unit of industry j.

The input multiplier α_j gives us the ratio of the total direct and indirect inputs as a proportion of the total direct input requirements for industry j. Thus α_j tells us the gross value of production required to produce one dollar's worth of the set of inputs directly necessary to operate industry j. To repeat, we assume that we are demanding, from the domestic economy, the set of inputs to industry j as final outputs. We note that the impact in terms of total gross industry-output requirements, of a set of commodities required as direct inputs to any one of the industries in the system, is very much less variable than the effects of a single industry-output required for final demand. By the same logic, the set of input multipliers α_t , deriving from the first transforma-

tion A_t : \leftarrow i'A Ai'A⁻¹ can be interpreted as the ratio of total direct and indirect to direct requirements when the direct inputs required to produce the inputs to industry j are treated as final demand, and so on.

In Table 4.42 we present the set of input multipliers α₀ for each of the four Atlantic Provinces on a 34 sector basis. We note that these first approximation input multipliers, deriving directly from A and R, are remarkably constant, and are almost totally independent of their corresponding direct input coefficients u'. (See scatter diagram of a 33 sector set of direct input coefficients and input multipliers, Nova Scotia, 1965.) The stability of these input multipliers suggests an approximation technique whereby the impact of any set of final expenditures on major primary inputs such as Gross Domestic Product, household income, employment, etc. can be estimated without direct reference to the input-output models or tables. Before describing this approximation technique, we turn to examine the sensitivity of \overline{k} to aggregation effects, and the relationship between weak interdependence and the openness of an economy. A comparison of results for the four Atlantic Provinces shows that an economy with a very high import ratio does not necessarily show a lower value of k than another economy with a smaller import ratio.

TABLE 4.41. Matrix RAs i'As -1, s = 11 Nova Scotia, 1965

No.		Agri- culture	Forestry	Primary fishing	Mining	Foods and textiles	Sawmills, pulp and paper
140.		1	2	3	4	5	6
				,		,	
1	Agriculture	0.013607	0.013574	0.013589	0.013576	0.013612	0.013585
2	Forestry	0.033137	0.033150	0.033144	0.033149	0.033136	0.033146
3	Primary fishing	0.006315	0.006211	0.006259	0.006217	0.006331	0.006246
4	Mining	0.048711	0.048725	0.048718	0.048725	0.048711	0.048721
5	Foods and textiles	0.007718	0.007654	0.007684	0.007658	0.007719	0.007674
6	Sawmills, pulp and paper	0.061961	0.061972	0.061967	0.061971	0.061960	0.061968
7	Iron, steel, metals, machinery	0.053947	0.053940	0.053944	0.053940	0.053946	0.053942
8	Non-metals, petroleum, chemicals	0.116118	0.116105	0.116111	0.116105	0.116114	0.116108
9	Construction	0.126233	0.126271	0.126253	0.126268	0.126232	0.126259
10	Transportation, communications	0.329959	0.330013	0.329988	0.330010	0.329957	0.329996
11	Distribution	0.088532	0.088532	0.088532	0.088532	0.088531	0.088532
12	All other services	0.439144	0.439223	0.439186	0.439218	0.439135	0.439197
13	Total output	1.325381	1.325369	1.325375	1.325369	1.325383	1.325373
		Iron, steel, metals, machinery	Non- metals, petroleum, chemicals	Con- struction	Transportation, communications	Distri- bution	All other services
		7	8	9	10	11	12
1	Agriculture	0.013572	0.013574	0.013576	0.013574	0.013574	0.013576
2	Forestry	0.033151	0.033150	0.033149	0.033150	0.033150	0.033149
3	Primary fishing	0.006203	0.006211	0.006217	0.006210	0.006210	0.006217
4	Mining	0.048726	0.048725	0.048724	0.048725	0.048725	0.048724
5	Foods, textiles	0.007650	0.007654	0.007658	0.007654	0.007654	0.007657
6	Sawmills, pulp and paper	0.061973	0.061972	0.061971	0.061972	0.061972	0.061971
7	Iron, steel, metals, machinery	0.053940	0.053940	0.053941	0.053940	0.053940	0.053941
8	Non-metals, petroleum, chemicals	0.116104	0.116105	0.116106	0.116105	0.116105	0.116105
-			0.126270	0.126268	0.126271	0.126271	0.126269
9	Construction	0.126273	0.120270	0.120200			
	Construction	0.126273	0.330013	0.330009	0.330013	0.330013	0.330010
9						0.330013 0.088532	0.330010 0.088532
9 10	Transportation, communications	0.330016	0.330013	0.330009	0.330013		

TABLE 4.42. Input Multipliers, Atlantic Provinces 1965 Model I

		Newfound- land	Prince Edward Island	Nova Scotia	New Brunswick
No.					
,					
1	Agriculture	1.249	1.299	1.297	1.307
2	Forestry	1.247	1.207	1.295	1.328
3	Primary fishing	1.273	1.412	1.295	1.313
4	Metal mining	1.251		-	1.411
5	Coal mining		_	1.368	1.346
6:	Non-metals, quarries	1.241	1.413	1.387	1.438
7	Meat, dairy, fruit	1.342	1.461	1.454	1.513
8	Secondary fishing	1.196	1.291	1.319	1.365
	Miscellaneous food manufacturing, n.e.s.	1.307	1.425	1.441	1.413
10	Beverages	1.290	1.365	1.399	1.402
11	Textiles, clothing	1.302	1.356	1.360	1.397
12	Sawmills, wood manufacturing	1.203	1.335	1.249	1.223
13	Pulp and paper	1.154	1.382	1.324	1.317
14	Printing	1.272	1.351	1.396	1.409
15	Iron, steel mills	-	-	1.356	***
16	Metal fabrication	1.287	1.348	1.388	1.351
17		1.278	1.337	1.381	1.339
18	Machinery and equipment	1.306	1.337	1.396	1.359
19	Transportation equipment	1.300	1.557	1.330	1.360
20	Electrical equipment	1.283	1.311	1.325	1.363
20	Non-metallic minerals	1.203	1,311	1.525	1.505
21	Petroleum refineries	1.280	_	1.331	1.386
22	Fertilizer, chemicals	1.295	1.337	1.389	1.361
23	Miscellaneous manufacturing, n.e.s.	1.317	1.376	1.408	1.502
24	Construction	1.297	1.318	1.361	1.383
25	Transportation, travel	1.252	1.288	1.278	1.307
26	Radio, telephone	1.291	1.313	1.337	1.366
27	Electric power, water	1.307	1.324	1.284	1.332
28	Distribution	1.297	1.363	1.350	1.356
29	Auto operation	1.248	1.292	1.271	1.316
30	Finance, real estate	1.275	1.261	1.300	1.327
31	Dwelling services	1.340	1.299	1.438	1.450
32	Hotels, restaurants	1.279	1.319	1.438	1.430
33	Personal services	1.279	1.289	1.329	1.349
34	Business services	1.258	1.289	1.291	1.328
JT	Dualitos softicos	1.206	1.2//	1.2/1	1.290
	Average input multiplier	1.262	1.341	1.344	1.362

TABLE 4.43. A Comparison of Multipliers, Atlantic Provinces and Canada¹

Region and dimensions of matrix	Average input multiplier	General input- output multiplier k	Character- istic root	l rd	ℓ rm	Import ratio	Household income multiplier
		K		~ 10	~ IM	m	n
Atlantic region (34 x 34)	1.349	1.319	.242	.301	060	.447	1.442
Newfoundland (31 x 31)	1.262	1.264	.209	.277	068	.533	1.373
Prince Edward Island (29 x 29)	1.341	1.299	.230	.287	068	.587	1.404
Nova Scotia (33 x 33)	1.344	1.312	.238	.303	066	.470	1.428
New Brunswick (33 x 33)	1.362	1.332	.249	.291	042	.470	1.427
Canada (10 x 10)		1.826	.452	.516	064		
Nova Scotia (12 x 12)	1.332	1.325	.245	.306	061		

¹ Results for the four provinces and for the Atlantic Region are derived from a 34 sector model for 1965; and for Canada from a 10 sector model for 1961.

In Table 4.43 \overline{k} is the input-output multiplier; λ_r the largest eigen value (characteristic root); ℓ_{rd} the measure of interdependence in the absence of import leakages, ℓ_{rm} the (negative) effect of import leakages, m the overall import ratio, (ratio of all imports to Gross Domestic Product) and h is the household income multiplier as measured by the principal diagonal element of the household row and column in Model II, when households are treated as an industry.

We note that Newfoundland exhibits the lowest value of \overline{k} at 1.264, while for Prince Edward Island \overline{k} equals 1.299. The import ratio for Newfoundland was .533, while that of Prince Edward Island was .587. This would indicate that the economy of Prince Edward Island, although more open than that of Newfoundland, was somewhat more integrated — probably with respect to the linkages between the relatively strong agricultural sector and the food processing industries in Prince Edward Island. We note that ℓ_{rd} and ℓ_{rm} for Newfoundland were .277 and .068 respectively, compared with the value of .287 and .063 for Prince Edward Island.

As for Nova Scotia and New Brunswick, each had an import ratio of .470. The general input-output multiplier for Nova Scotia, however, (1.312) was lower than that for New Brunswick (1.332); while Nova Scotia ℓ_{rd} and ℓ_{rm} were .303 and .066 respectively, compared with .291 and .042 for New Brunswick. Once again, the reason lies in the stronger agro-industrial complex of New Brunswick as well as its well developed forestry industry complex.

The input-output multiplier for the Atlantic Region as a whole was 1.319 with values of ℓ_{rd} and ℓ_{rm} of .301 and .060. We note that the input-output multiplier for a region as a whole is not necessarily

higher than that of each of its constituent economies. Thus the value of k for New Brunswick exceeds the value of k for the Atlantic Region as a whole. To the degree that component regions of a trading bloc trade with each other, the value of k for the regional trading system as a whole, will of course tend to be larger than the value of k for its constituent parts. Indeed, the comparison of scalar measures of interdependence of the units comprising a regional trading bloc, with the corresponding income for the region as a whole might prove a useful quantitative indicator of the degree of complementarity and inter-regional interdependence within the regional system. Clearly a system composed of four economic units, each trading primarily with the rest of the world will exhibit much less overall interdependence than one composed of four units, transacting substantial trade with each other.

Sensitivity of k to Aggregation Effects

Next we turn to a brief examination of the sensitivity of \overline{k} and λ_r to aggregation effects. Below we compare results obtained for Nova Scotia (1965) from a 12×12 sectors analysis with those obtained from a 33×33 sector one. We show values of $\overline{k},\,\lambda_r,\,\ell_{rd}$ and ℓ_{rm} and we also show the vector P_k for the four provinces. The values obtained for each of the 12 industries are entered as obtained from a 12×12 system; and as obtained from a 33×33 sector analysis, subsequently aggregated to the corresponding 12 sectors. We observe that \overline{k} is remarkably insensitive to aggregation errors.

Presumably the value of \overline{k} obtained from the 33 sector matrices is more accurate than that derived from a 12 sector model. The difference, however, is small, at 1.0%.

	k	$\lambda_{\rm r}$	l _{rd}	ℓ _{rm}
Nova Scotia (33 x 33)	1.312	.238	.303	.066
Nova Scotia (12 x 12)	1.325	.245	.306	.061
Absolute difference	.013	.007	.003	005
Percentage difference	1.0	2.9	1.0	- 7.6

It should be noted, however, that the aggregation errors introduced by the loss of data in the 12×12 matrix, as compared with the 33×33 matrix result in substantial differences in the industrial components of $\overline{k},$ (i.e. individual elements of the eigen vector P_k .)

Below we compare the eigen vector P_k of the 12×12 Nova Scotia matrix with that obtained for the 33×33 Nova Scotia matrix.

Table 4.44 shows the eigen vector for each of the four provinces, on a 33-sector basis. Thus, for every

dollar of domestically produced intermediate goods in Newfoundland, there is a total demand for 34.3 cents of gross output of financial services, 27.8 cents transportation services, and so on. The total production of intermediate goods and services will be \$1.26. We note that the average input multiplier, derived as the weighted sum of input multipliers, yields a fairly close approximation of the general input-output multiplier \overline{k} , except in Prince Edward Island. Evidently the general input-output multiplier is a more accurate measure of interdependence than the average input multiplier, but again, the difference is small.

Comparison of Aggregations of the Vector Pk

No.	Nova Scotia industrial sectors	P _k (12 x 12) matrix	P _k (33 x 33) matrix subsequently aggregated	Absolute differ- ences	Percentage differences
					%
1	Agriculture	.0136	.0054	.0082	60.2
2	Forestry	.0331	.0263	.0068	20.5
3	Primary fishing	.0063	.0003	.0060	95.2
4	Mining	.0487	.0448	.0039	8.0
5	Food, textiles	.0077	.0029	.0048	62.3
6	Sawmills, pulp and paper	.0620	.0969	0349	- 56.2
7	Iron, steel, metals, machinery	.0539	.0687	0148	- 27.4
8	Non-metals, petroleum, chemicals	.1161	.1006	.0155	13.3
9	Construction	.1263	.0725	.0538	42.5
10	Transportation and communication	.3300	.3646	0346	- 10.4
11	Distribution	.0885	.0797	.0088	9.9
12	All other services	.4392	.4494	0102	- 2.3
	Total k	1.3254	1.3121	.0133	1.0

TABLE 4.44. Industrial Disaggregation of Linkage Effects-Eigen Vector Pk

	New- foundland	Prince Edward Island	Nova Scotia	New Brunswick
		-		
Agriculture	.0006	.0056	.0054	.0036
Forestry	.0141	.0003	.0263	.0479
Primary fishing	.0001	.0001	.0003	.0000
Metal mining	_	-	- 1	
Coal mining	-	none	.0331	.0138
Non-metals, quarries	.0070	.0038	.0117	.0106
Meat, dairies, fruit	.0000	.0006	.0002	.0008
Fish processing	.0000	.0000	.0001	.0000
Miscellaneous foods, n.e.s.	.0003	.0006	.0022	.0012
Beverages	.0000	.0000	.0000	.0000
Textiles, clothing	.0002	.0008	.0004	.0004
Sawmills, wood products	.0075	.0066	.0159	.0216
Pulp and paper products	.0045	.0015	.0214	.0299
Printing	.0378	.0724	.0596	.0539
Iron-steel mills	-	-	.0164	-
Metal fabrication	.0099	.0028	.0281	.0199
Machinery and equipment	.0018	.0010	.0029	.0027
Transportation equipment	.0006	.0127	.0193	.0035
Electrical equipment	_		.0020	.0070
Non-metal mineral products	.0131	.0019	.0088	.0150
	0220		0056	.0890
Petroleum refining	.0239	-	.0856	.0069
Fertilizer, chemicals	.0037	.0089	.0043	.0009
Miscellaneous manufacturing	.0021	.0010	.0725	.0850
Construction	.0718	.0843	.2569	.2800
Transportation, travel	.2110	.2507	.2005	
Radio, telephone, telegraph	.1226	.1020	.1077	.1050
Electric power, water	.0313	.0464	.0488	.0440
Distribution	.0824	.1091	.0797	.0866
Auto operation	.0929	.0944	.0802	.0724
Finance, real estate	.3430	.3409	.2215	.2388
Dwelling services	_	_	-	-
Hotels, restaurants	.0345	.0426	.0216	.0139
Personal services	.0109	.0165	.0114	.0116
Business services	.0703	.0830	.0659	.0646
Total \vec{k}	1.2645	1.2987	1.3121	1.3320
Average input multiplier k	1.262	1.341	1.344	1.362

Approximation Technique

From an examination of the characteristics of the general input-output multiplier, it may be seen that it is possible to estimate the impact of final expenditures on macro-economic variables, such as income, employment and Gross Domestic Product, by deriving a single scalar parameter relating the indirect income (or employment) generated by a unit of a general set of inputs. Once we have such a parameter, we can obtain a remarkably close approximation to the impact of one dollar of final demand for each commodity (or industry) in the system, simply by multiplying the direct input coefficient by this scalar and adding the result to the direct income (or employment) generated. This scalar parameter is obtained by dividing the sum of the indirect household income generated (per unit of industry output) by the sum of the direct domestically produced intermediate requirements; and similarly for other primary inputs. Thus, in the illustrative example for Nova Scotia, the coefficients for household income and employment are .566 and .126 respectively. In Table 4.45 we present the results for Nova Scotia on a 12 sector basis, and in Table 4.46 the same technique is used on a 71 sector model for the Atlantic Region as a whole.

The advantages of this approximation procedure are considerable. Once the general properties of an economy are known, it is possible to make close estimates of the effect of introducing new industries or activities on major primary inputs without direct reference to input-output inverses. Indeed, these estimates can be further improved with very little trouble by dealing separately with one or two dominant inputs, especially in industries where the intermediate input coefficient is substantial, leaving the rest to be multiplied by a constant factor.

For example, in the 12 x 12 illustration for Nova Scotia, 12 we note that industries 5 (food and textiles) and 6 (wood products) each have a substantial set of intermediate inputs. Thus, in industry 5, the intermediate input coefficient is :443018, and one input alone (i.e., primary fishing) accounts for .199337. In industry 6, the intermediate input coefficient is .386179 and one input alone (i.e., forestry) accounts for .119815. In Table 6 the first estimates of indirect income obtained by using the scalar parameter, were seen to be .251 per unit of final use of food and textile products and .218 for wood products.

TABLE 4.45. Approximation Estimates of Household Income Per Unit of Final Use, Obtained Without

Direct Reference to Input-output Inverses

Nova Scotia, 1965

Industries	Direct inter- mediate inputs	Estimated indirect household income	Actual indirect household income	Direct household income	Actual total household income (3) + (4)	Estimated total household income (2) + (4)	Per- centage error	Ratio (3) ÷ (1)
	1	2	3	4	5	6	7	8
							%	
Agriculture	.345	.195	.179	.433	.612	.628	+ 2.6	.519
Forestry	.098	.055	.052	.712	.764	.767	+ 0.4	.537
Primary fishing	.226	.128	.112	.548	.660	.676	+ 2.4	.496
Mining	.176	.100	.100	.570	.670	.670	- 0.1	.566
Food, textiles	.443	.251	.275	.254	.529	.505	- 4.6	.621
Sawmills, pulp and paper	.386	.218	.245	.359	.605	.577	- 4.5	.636
Iron-steel, machinery	.282	.160	.161	.340	.501	.499	- 0.3	.571
Petroleum, chemicals	.117	.066	.064	.099	.163	.165	+ 1.1	.551
Construction	.369	.209	.197	.380	.577	.589	+ 2.1	.534
Transportation, communications	.312	.177	.167	.448	.616	.625	+ 1.4	.537
Distribution	.203	.115	.117	.613	.730	.727	- 0.4	.579
All other services	.190	.108	.109	.442	.551	.550	- 0.3	.574
Total	3.149		1.782					.566

¹ Calculated at six decimals and rounded to three.

¹² See Table 4.3D.

TABLE 4.46. Approximation Estimates of Employment Per Unit of Final Use Obtained Without Direct Reference to Input-output Inverses¹ Nova Scotia, 1965

Industries	Direct inter- mediate inputs	Estimated indirect employ-ment	Actual indirect employ- ment	Direct employ- ment	Actual total employment (3) + (4)	Estimated total employment (2) + (4)	Per- centage error	Ratio (3) ÷ (1)
	1	2	3	4	5	6	7	8
					1		%	
Agriculture	.345	.043	.040	.173	.213	.216	1.7	.116
Forestry	.098	.012	.011	.122	.133	.134	0.9	.114
Primary fishing	.226	.029	.025	.190	.215	.219	2.1	.106
Mining	.176	.022	.021	.107	.128	.130	1.3	.116
Food and textiles	.443	.056	.079	.061	.140	.117	- 17.0	.180
Sawmills, pulp and paper	.386	.049	.050	.071	.121	.120	- 1.3	.130
Iron-steel, machinery	.282	.036	.035	.064	.099	.100	1.6	.120
Petroleum, chemicals	.117	.015	.013	.015	.028	.030	4.5	.115
Construction	.369	.047	.041	.082	.123	.128	4.1	.112
Transportation, communications	.312	.039	.035	.096	.131	.136	3.4	.112
Distribution	.203	.026	.024	.153	.177	.178	0.6	.121
All other services	.190	.024	.023	.087	.110	.111	1.3	.119
Totals	3.149		.397					.126

¹ Calculated at six decimal places and rounded to three.

To obtain a better estimate of additional income and employment generated per unit of final use of these outputs, we proceed as follows:

We observe that this simple refinement has reduced the error drastically. Thus in industry 5, estimated household income is now within 0.5% of its actual value

(compared with 4.6%), while estimated employment is within – 3.8% compared with – 17.0% previously. In the case of industry 6, estimated household income is now within 0.4% of its actual value (compared with – 4.5% previously) while estimated employment is within – 0.5% (compared with – 1.3% previously).

	Illustrative 12 x 12	Nova Scotia table		
	Industry 5	Industry 6		
Household income				
Income due to predominant input	.199337 x .548380 = .109312	.119815 x .711904 = .085296		
Plus:				
Income due to all other direct and in-	.243681 + (.226291 x .199337)	.266364 + (.119815 x .097667)		
direct inputs	times .566	times .566 = .278066 x .566		
	= .288789 x .566	= .157385		
	= .163455 .272767	.242681		
Total estimated household income	.275273	.245556		
Actual household income	.213213	12.0000		
Employment	400670	.119815 x .121924		
Employment due to predominant input	.199337 x .190679	= .014609		
	= .038010	014609		
Plus:				
Employment due to all other direct and indirect inputs	.243681 + (.226291 x .199337)	.266364 + (.119815 x .097667) times .126		
	times .126 = .288789 x .126	= .278066 x .126		
	= .036387	= .035036		
Total estimated employment	.074397	.049645		
Actual employment	.079742	.050253		

Approximation Technique with Simple Adjustment on a 71 x 71 Matrix

In the case of a more disaggregated example of 71 sectors, we have selected ten industries in which inter-

mediates are large and contain predominant single inputs. Below we present the results obtained from making simple adjustments.

Approximation Estimates of Household Income for Per Unit of Final Use, for Selected Industries, with Adjustments to Take Account of Large Single Inputs

Atlantic Region (71 x 71)1

	Estimated indirect household income	Estimated total income before adjustment	Estimated total income after adjustment	Actual total household income	Per- centage error
					%
Agriculture	.208	.669	.643	.610	5.2
Other fish products	.405	.615	.682	.671	1.5
Clothing	.168	.507	.496	.494	0.5
Sawmills	.312	.643	.696	.696	0.0
Pulp and paper	.293	.498	.533	.527	1.2
Wire products	.186	.517	.518	.519	- 0.3
Auto-truck bodies	.136	.246	.258	.259	- 0.5
Cement	.130	.494	.449	.440	1.8
Fertilizer	.117	.229	.213	.214	- 0.5
Business services	.260	.628	.646	.665	- 2.9

¹ Calculated at six decimal places.

In Table 4.46 we show the results yielded by the unadjusted approximation technique on a detailed 71 x 71 matrix for the Atlantic Region. We note that the error exceeds 10% in only 3 of the 71 industries. With the simple adjustments demonstrated, it is clear that these estimates could be made more accurate with very little effort.

It should be emphasized that the approximation technique demonstrated here is not intended as a substitute for the use of input-output tables, but as an illustration of the convenient properties of general interdependence deriving from our empirical findings of the relative invariance of the input multipliers α . The approximation technique is practical precisely because

most users of input-output tables know the direct income (employment, tax, etc.) effect of the new activity which is to be treated as a final demand; furthermore, they generally also know the direct income (employment, tax, etc.) effect of its predominant input(s). Indeed, the direct coefficient vector of the activity and that of its predominant inputs, when known, is usually different from the coefficients embodied in the input-output table. This is particularly true where these coefficients wrap up supply (import) effects and technical input effects - as is the case in our system. The user can calculate without reference to input-output tables, the direct impact of an activity and that of its predominant input(s) on major primaries, and subsequently apply the appropriate factor to all the remaining gross value of miscellaneous inputs.

TABLE 4.47. Approximation Estimates of Household Income Per Unit of Final Use, obtained without Direct Reference to Input-output Inverses¹
Atlantic Region 1965

	Atlantic Region 1965									
Item No.	Industries	Estimated indirect household income	Actual indirect household income	Direct household income	Actual total household income	Estimated total household income	Per- centage error			
1 2 3 4 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 1 22 23 24 4 25 6 27 28 29 30 31 32 23 33 4 41 42 43 44 45 6 55 55 57 58 9 661 62 664 655 666 668 665 666 668 665 666 668	Agriculture Forestry Fishing, shellfish Fishing, other Metal mining Coal mining Non-metal mining Quarries Meat products Poultry products Dairy products Shellfish products Other fish products Fruit and vegetables Freed manufacturers Bakeries Confectionery Sugar refineries Miscellaneous foods Soft drinks Distilleries Breweries Shoe factories Leather products Cotton mills Woollen mills Cordage and canvas Clothing Sawmills, sash-door Miscellaneous wood products Furniture Pulp and paper Paper products Printing Iron-steel mills Iron foundries Structural metal Metal fabricating Wire products Machinery and equipment Aircraft and parts Autos, truck bodies Railway rolling stock Boat and ship building Appliance manufacturing Communications equipment Electric wire Cement Clay-concrete products Non-metallic products Petroleum refining Fertilizer manufacturing Communications equipment Electric wire Cement Clay-concrete products Non-metallic products Petroleum refining Fertilizer manufacturing Construction — residential Construction — residential Transportation Communications Electric power Water and gas Distribution Auto operation Travel and entertainment Financial services Dwelling services Hotels, restaurants	.235 .054 .139 .129 .124 .097 .107 .072 .333 .378 .323 .419 .338 .300 .175 .118 .156 .082 .169 .186 .139 .107 .073 .116 .084 .223 .113 .178 .258 .252 .178 .258 .218 .121 .230 .117 .219 .180 .185 .186 .199 .107 .118 .118 .158 .258 .258 .258 .258 .258 .258 .218 .258 .258 .258 .258 .258 .258 .258 .25	.176 .047 .122 .104 .109 .092 .093 .072 .343 .407 .340 .450 .395 .301 .183 .105 .120 .082 .172 .147 .147 .106 .076 .122 .081 .223 .120 .166 .311 .256 .211 .124 .222 .109 .225 .187 .187 .187 .187 .121 .093 .137 .286 .211 .124 .222 .109 .225 .187 .187 .187 .187 .187 .187 .187 .187	.434 .693 .493 .592 .238 .611 .324 .725 .139 .125 .207 .276 .202 .134 .378 .364 .086 .155 .358 .139 .407 .405 .491 .286 .389 .211 .328 .384 .457 .240 .263 .383 .345 .605 .341 .339 .331 .470 .543 .341 .318 .378 .378 .384 .384 .384 .384 .384 .385 .387 .383 .384 .389 .381 .381 .389 .381 .381 .389 .381 .381 .381 .381 .381 .381 .381 .381	.610 .740 .616 .696 .347 .703 .417 .797 .483 .532 .546 .657 .671 .504 .317 .483 .485 .168 .327 .506 .286 .514 .482 .614 .332 .494 .696 .521 .629 .527 .714 .567 .714 .567 .714 .567 .714 .567 .519 .591 .634 .594 .594 .594 .594 .696 .594 .594 .594 .594 .594 .594 .594 .594	.669 .747 .633 .721 .362 .708 .431 .797 .473 .503 .529 .626 .615 .503 .309 .496 .520 .168 .324 .545 .278 .514 .479 .607 .371 .613 .325 .507 .643 .516 .636 .498 .481 .704 .575 .722 .561 .520 .517 .588 .633 .246 .466 .590 .495 .234 .494 .634 .746 .120 .229 .234 .494 .634 .746 .120 .229 .345 .591 .297 .585 .548 .665 .667 .401 .717 .737 .449 .569 .442 .426 .648 .857	# 9.6 + 0.9 + 2.8 + 3.7 + 4.3 + 0.7 + 3.2 - 2.0 - 5.5 - 3.1 - 4.7 - 8.4 - 0.2 - 2.5 + 2.7 + 7.3 - 0.1 - 1.0 + 7.7 - 2.8 + 0.1 - 0.5 - 1.0 + 0.1 - 2.1 + 2.6 - 7.6 - 7.6 - 0.9 + 1.0 - 5.4 + 1.5 - 0.5 + 1.3 + 1.1 - 1.0 - 5.4 + 1.0 - 5.4 + 1.0 - 5.4 + 1.0 - 5.4 + 1.1 - 1.0 - 5.4 + 1.1 - 1.0 - 5.4 + 1.1 - 1.0 - 5.4 + 1.0 - 5.4 + 1.1 - 1.0 - 5.4 + 1.1 - 1.0 - 5.4 + 1.0 - 5.4 + 1.0 - 5.4 + 1.0 - 5.4 + 1.0 - 1.0 - 5.4 + 1.1 - 1.0 - 1.2 - 0.5 - 0.5 - 0.2 - 4.9 - 0.4 - 0.6 - 1.0			
69 70 71	Personal services	.079 .242 .128	.076 .279 .134	.385	.665	.628 .794	- 5.6 - 0.8			

¹ Calculated at six decimals and rounded to three.

TABLE 4.48. Approximation Estimates of Employment Per Unit of Final Use, obtained without Direct Reference to Input-output Inverses 1 Atlantic Region 1965

Item No.	Industries	Estimated Indirect employ- ment	Actual Indirect employ- ment	Direct employ- ment	Actual total employ- ment	Estimated total employ- ment	Per- centage error
							%
1	Agriculture	.056	.041	.161	.203	.218	7.3
2	Forestry	.013	.010	.126	.136	.139	2.6 3.1
3	Fishing, shell	.039	.022	.305	.328	.336	2.5
5	Metal mining	.034	.025	.035	.060	.069	15.1
6	Coal mining	.025	.018	.130	.149	.156	4.4
7	Non-metal mining	.027	.020	.061	.081	.088	9.0
8	Quarries	.021	.015	.021	.036	.042	15.3 28.6
9	Meat products	.140	.103 .127	.026	.166	.211	27.6
11	Dairy products	.134	.099	.046	.145	.180	24.6
12	Shellfish products	.313	.230	.063	.294	.377	28.2
13	Other fish products	.220	.162	.080	.243	.301	24.0
14 15	Fruit and vegetables	.107	.078 .048	.062	.141 .076	.169	20.1 22.9
16	Feed manufacturers	.030	.022	.077	.100	.108	8.2
17	Confectionery	.034	.025	.100	.125	.134	7.2
18	Sugar refineries	.024	.018	.014	.032	.038	20.3
19	Miscellaneous foods	.051	.037	.033	.070	.084	19.1
20	Soft drinks	.041	.030	.062	.093 .064	.103	11.7 18.6
21 22	Distilleries Breweries	.045	.033	.031	.054	.077	14.4
23	Shoe factories	.022	.016	.133	.150	.156	3.9
24	Leather products	.037	.027	.163	.190	.200	5.2
25	Cotton mills	.024	.017	.074	.092	.099	6.9
26	Woollen mills	.084	.062	.109	.172	.194	13.2
27 28	Cordage and canvas	.037	.027	.043	.071	.081	13.9
29	Clothing	.052	.038	.116	.154	.168	8.9 14.8
30	Miscellaneous wood products	.070	.052	.056	.108	.127	17.3
31	Furniture	.051	.037	.108	.146	.159	9.3
32	Pulp and paper	.077	.057	.036	.093	.114	22.0
33	Paper products	.055	.040	.053	.094	.108	15.6
34	Printing	.033	.024	.100	.125	.133	7.0
35 36	Iron-steel mills Iron foundries Ir	.061	.045	.056	.101 .176	.118 .184	16.0 4.7
37	Structural metal	.062	.045	.065	.110	.127	14.9
38	Metal fabricating	.054	.039	.063	.103	.117	13.9
39	Wire products	.052	.038	.059	.097	.111	14.1
40	Machinery and equipment	.035	.025	.084	.110	.119	8.4
41 42	Aircraft and parts	.026	.019	.121	.140	.147	5.1
43	Autos, truck bodies	.040	.029 .062	.028	.058	.069 .124	18.2 22.2
44	Boat and ship building	.031	.023	.098	.121	.129	6.9
45	Appliance manufacturing	.031	.023	.075	.098	.107	8.5
46	Communications equipment	.025	.018	.078	.096	.103	6.9
47 48	Electric wire	.029	.021	.023	.045	.053	17.2
49	Clay-concrete products	.032	.023	.048	.072	.080	11.8
50	Non-metallic products	.059	.044	.059	.100 .125	.115	14.8 12.7
51	Petroleum refining	.018	.013	.005	.019	.024	26.0
52	Fertilizer manufacturing	.032	.023	.019	.043	.051	19.6
53 54	Paint-varnishes	.033	.024	.043	.068	.077	13.1
55	Miscellaneous chemicals	.024	.018	.032	.051	.057	12.9
56	Scrap iron	.042	.030 .053	.090	.121 .053	.132	9.2 36.0
57	Construction – residential	.047	.034	.089	.124	.137	10.1
58	Construction – non-residential	.059	.043	.072	.115	.131	13.5
59 60	Transportation	.043	.031	.106	.138	.150	8.3
61	Electric power	.029	.021	.113	.135	.143	5.8
62	Water and gas	.039	.028	.037	.066	.076 .105	15.6 14.2
63	Distribution	.036	.026	.160	.186	.105	5.1
64	Auto operation	.019	.014	.091	.106	.111	4.8
65	Travel and entertainment	.220	.162	.0	.162	.220	36.0
66 67	Financial services	.021	.016	.063	.079	.084	7.3
68	Dwelling services Hotels, restaurants	.029	.021	.0	.021	.029	36.0
69	Personal services	.053	.039 .016	.161	.200	.214	7.1
70	Business services	.073	.054	.253	.269 .126	.275	2.1 15.4
71	Services to primary industry	.041	.030	.367	.398	.408	2.7

¹ Calculated at six decimals and rounded to three.



TABLE 4.1. Market Share Coefficients and Import Coefficients Atlantic Region 1965, Model I

* * μ

		Agricultural products	Forestry products	Primary fish	Mining products	Food, textiles
No.		1	2	3	4	5
1	Agriculture	1.000000	0.063250	-	_	
2	Forestry, fishing	_	0.922411	1.000000	1.000000	
4	Foods, textiles	-	_	_	_	0.9999
5	Manufacturing, all other	_	0.014340		_ _	0.0000
	Transportation, communications, distribution	- 1	_		_	
8	All other services	_	_	_	_	
9	Total commodity output	1,000000	1.000000	1.000000	1.000000	1.0000
10	Total imports	0.209670	0.033986	0.016398	0.186114	0.4700

TABLE 4.2. Input Coefficients of Industries and Final Expenditures Atlantic Region 1965, Model I

 $\overset{*}{B},\overset{*}{D},\overset{*}{E}\quad \overset{*}{V_{B}}\overset{*}{V_{D}}\overset{*}{V_{E}}$

	B, D, E VB VD VE												
		Agri- culture	Forestry, fishing	Mining	Foods, textiles	Manufac- turing, all other	Con- struction	Transportation, communications, distribution	All other services	Person con- sumption			
No.		1	2	3	4	5	6	7	8	9			
1	Agricultural products	0.016433	0.000432	_	0.108833	0.000071	0.000293	0.000010	/	0.0418			
- 1	Forestry products	0.007729	_	0.002882	0.000019		-	_	_	0.0007			
	Primary fish	_	_	_	0.179202		_ /	_	-/	0.0022			
4	Mining products	0.007747	0.004279	0.000453	0.000828		0.020290	0.000263	0.011387	0.0050			
5	Food, textiles	0.131753	0.030604	- 1	0.064574	0.002138	0.001098	0.001076	0.000599	0.1964			
	Wood, paper products	0.004656	0.012327	0.013180	0.038608	0.043799	0.087467	0.002904	0.020939	0.0154			
7	Steel, metal products	0.030570	0.063286	0.108850	0.020356	0.068230	0.136399	0.025167	0.008732	0.0492			
8	Non-metals, petroleum, chemicals	0.084540	0.040199	0.026944	0.009834	0.026640	0.090049	0.028763	0.011966	0.0324			
9 1	Construction	0.028808	0.010747	0.017837	0.007085	0.008050	0.000673	0.013106	0.049467				
10	Transportation, communications	0.032810	0.033310	0.048002	0.060445	0.065617	0.080723	0.087400	0.045835	0.0599			
11	Distribution	0.023790	0.013561	0.011918	0.022233	0.028581	0.050343	0.014356	0.004591	0.1336			
12	All other services	0.113683	0.038223	0.076467	0.034033	0.043513	0.070200	0.121429	0.066022	0.2538			
13	Total intermediate input	0.482519	0.246970	0.306534	0.546050	0.409743	0.537535	0.294474	0.219538	0.7909			
14	Taxes	0.030230	0.047707	0.030088	0.011038	0.010107	0.021535	0.029695	0.102097	0.1266			
15	Subsidies	- 0.032393	- 0.003649	- 0.000333	_	- 0.001235	-	- 0.023859	- 0.005342				
16	Non-competitive imports	0.007456	0.003518	0.043649	0.129267		0.043085	0.012397	0.065122	0.0824			
	Wages and salaries	0.100660	0.355568	0.308982			0.314644	0.432988	0.217514				
	Unincorporated business income	0.315481	0.193581	0.026356			0.028353	0.071124	0.080665				
	Profit, rent, interest	0.018826	0.089470	0.184934			0.036330	0.091734					
20	Depreciation	0.077222	0.066835	0.099791	0.024956		0.018518	0.091448					
21	Household income	0.434489	0.622687	0.346246				0.539302					
22		_	_	_	_	_	-/	-	_/	0.0075			
23	Provincial revenue	- 0.003086	0.047328	0.021756	0.007762	0.007127	0.012917	0.029016	0.036616	0.0545			
24	Municipal revenue	0.029401	0.000991	0.008884			0.005626	0.007528		0.0038			
25	Federal revenue	- 0.028001	0.000324				0.012041	0.005505	0.022709	0.0606			
26	Import leakage	0.007456	0.014865	0.198541	0.153948			0.032727		0.0824			
27	Total primary inputs	0.517481	0.753030	0.693466			0.462465	0.705526		0.2090			
28	Factor incomes	0.434967	0.638619	0.520271	0.288689	0.250020	0.270229	0.505945	2.512622				
29	Gross Domestic Product	0.510025	0.749512					0.595845		0.1266			
30	Employment	0.161965	0.218046				0.419380	0.693128		0.1200			
31							0.076411	0.129319					
31	Total output	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.0000			

TABLE 4.1. Market Share Coefficients and Import Coefficients Atlantic Region 1965, Model I

* * μ

Wood, paper products	Steel, metal products	Non-metals, petroleum, chemicals	Con- struction	Transportation, communications	Distri- bution	All other services	
6	7	8	9	10	11	12	No.
	-		_	_	_	0.012874	1
0.002549	-	-	-	_	_	Asso	2
man .		-		_	_		3
0.000068	-	0.000029		-		_	4
0.997383	1.000000	0.999970	_		_	_	5
-	_	-	1.000000	_	_	_	6
_	~	_	-	1.000000	1.000000	_	7
-	-		-	-	-	0.987126	8
1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	9
0.478066	0.809016	0.277840	-	-	***	0.002098	10

TABLE 4.2. Input Coefficients of Industries and Final Expenditures Atlantic Region 1965, Model I

 $\overset{*}{B},\overset{*}{D},\overset{*}{E}\quad\overset{*}{V_{B}}\overset{*}{V_{D}}\overset{*}{V_{E}}$

						В, D,	E V _B V	D AE						
Capital formation	Inventory change	Federal govern- ment	Federal govern- ment	Pro- vincial govern-	Municipal govern-	Educa- tion	Hos- pital-	Total domestic		Exports		Total inter-	Total demand	
Tormation	chargo	defence	civil	ment	ment	1011	ization	demand	Foreign	Canada	Total	mediate demand	demand	1
10	11	12	13	14	15	16	17	18	19	20	21	22	23	No.
										-				
_	2,561022	0.000391	0.000864	0.000670	0.000903	_	0.008808	0.023548	0.023981	0.065128	0.039060	0.012549	0.019806	1
_	3.504091	_	0.000014		0.001422	-	0.000061	- 0.001247	0.034601	0.013247	0.026775	0.017157	0.010310	2
_	_	_	_	_		_	_	0.001330	-	_	-	0.019495	0.009892	3
_	- 3.731853	0.010297	0.000839	0.000490	0.019822	0.002193	0.003789	0.005911	0.276518	0.169793	0.237407	0.010553	0.030846	4
_	- 0.706122	0.010044	0.003243	0.002097	0.006231	0.000232	0.041840	0.117114	0.217760	0.240522	0.226101	0.014207	0.078560	5
_	- 0.727341	0.005049	0.002149	0.014228	0.008330	0.028363	0.013293	0.012693	0.359350	0.138533	0.278428	0.031815	0.047917	6
0.387102	- 0.205363	0.117484	0.086253	0.021660	0.042195	0.020478	0.038632	0.099988	0.036837	0.257696	0.117774	0.052730	0.079117	7
	0.305564	0.012116	0.005410	0.006898	0.018401	0.012492	0.013874	0.021535	0.002925	0.010688	0.005770	0.034832	0.026351	8
0.612898	_	0.088546	0.235371	0.459158	0.256865	0.173336	0.132793	0.155510	-	_		0.018115	0.074499	9
-	_	0.012665	0.025111	0.065285	0.104239	0.033890	0.023766	0.045762	0.038263	0.099516	0.060710	0.064266	0.056084	10
_	_	0.015383	0.009287	0.009152	0.012967	0.014835	0.032757	0.081791	0.009755	0.025297	0.015451	0.021369	0.046366	-11
_	_	0.034683	0.016876	0.037717	0.092854	0.031693	0.045160	0.157826	0.000010	0.023147	0.008489	0.072575	0.102375	12
1.000000	1.000000	0.306658	0.385415	0.617353	0.564230	0.317511	0.354773	0.721759	1,000000	1.043567	1.015965	0.369662	0.582124	13
						_	_	0.073728			_	0.039069	0.049907	14
_		_	_				_	_	-	- 0.043567	- 0.015966	- 0.007856	- 0.005326	15
_	_	0.009684	0,006007	0.013505	0.039963	0.033638		0.055453	_	_	-	0.071154	0.057526	16
_	_	0.683658	0.608578	0.208859	0.297440	0.576850		0.131696	_	_	_	0.286156	0.192693	17
	_	0.003030	0.000376	0.200007	-	_	_		_	_	_	0.061132	0.029256	18
			_	0.160284	0.098367	0.072000	0.025205	0.017365		_	_	0.114673	0.062229	19
	_		_	-	_	_	_	_		_	-	0.066010	0.031590	20
_		0.683658	0.608578	0.268105	0.330787	0.599361	0.530916	0.137787		_		0.395003	0.247362	21
	_	_	-		-		_	0.004403	-	_	_	-	0.001864	22
_			_	-	-	_	_	0.031789	-	_	_	0.021109	0.023559	23
	-	_	_	_	_	- man	-	0.002214		-	_	0.020654	0.010821	24
_	-	_	_	_	_	_	_	0.035321	_	- 0.043567	- 0.015966	0.013815	0.019997	25
_		0.009684	0.006007	0.114543	0.104983	0.083128	0.114311	0.066726	-	_	-	0.113747	0.082682	26
_	_	0.693342	0.614585	0.382647	0.435770	0.682489	0.645226	0.278241	_	- 0.043567	- 0.015966	0.630338	0.417876	27
		0.073342	0,014303					1				1 0 461060 1	0.204170	1 20
-	-	0.683658	0.608578	0.369142		0.648850		0.149060	_	0.042667	0.015066	0.461960	0.284178	28
-	-	0.683658	0.608578	0.369142	0.395807	0.648850	0.548838	0.222788	-	- 0.043567	- 0.015966	0.559183	0.360349	29
-		0.113910	0.116630	0.041614	0.063506	0.142297	0.199310	0.029612	_	_		0.091221	0.056191	
1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	000000.1	1.000000	1.000000	1.000000	1.000000	31

TABLE 4.3 A. Coefficient Matrix of Commodity Requirements for Commodities Without Import Leakage Atlantic Region 1965, Model I

** BJ

	Agricultural products	Forestry products	Primary fish	Mining products	Food, textiles	Wood, paper products
	1	2	3	4	5	6
Agricultural products Forestry products Forestry products Primary fish Mining products Food, textiles Wood, paper products Steel, metal products Non-metals, petroleum, chemicals Construction Transportation, communications Distribution All other services Totals	0.016433 0.007729 	0.001439 0.001889 	0.000432 	0.002882 0.000453 0.013180 0.108850 0.026944 0.017837 0.048002 0.011918 0.076467 0.306534	0.108828 0.000024 0.179193 0.000829 0.064571 0.038608 0.020359 0.009835 0.007085 0.060445 0.022233 0.034033	0.000079 0.097378 0.000012 0.025415 0.002215 0.043719 0.068215 0.026673 0.008057 0.065534 0.028542 0.043499
	Steel, metal products	Non-metals, petroleum, chemicals	Con- struction	Transportation, communications	Distri- bution	All other services
	7	8	9	10	11	12
Agricultural products Forestry products Forestry products Primary fish Mining products Food, textiles Wood, paper products Steel, metal products Non-metals, petroleum, chemicals Construction Transportation, communications Distribution All other services Totals	0.000071 0.097634 	0.000074 0.097631 0.000005 0.025470 0.002140 0.043799 0.068229 0.026639 0.008050 0.065616 0.028581 0.043513	0.000293 	0.000010	0.000010 	0.000212 0.000100 - 0.011340 0.002288 0.020729 0.009013 0.012901 0.049201 0.045668 0.004838 0.066635

TABLE 4.3 B. Coefficient Matrix of Commodity Requirements for Commodities with Import Leakage Atlantic Region 1965, Model I

 $(\mathbf{I} - \hat{\mu}) \overset{**}{\mathrm{BJ}}$

	Agricultural products	Forestry products	Primary fish	Mining products	Food, textiles	Wood, paper products
	1	2	3	4	5	6
Agricultural products Forestry products Frimary fish Mining products Food, textiles Wood, paper products Steel, metal products Non-metals, petroleum, chemicals Construction Transportation, communications Distribution All other services Total output	0.012987 0.007467 - 0.006305 0.069824 0.002430 0.005838 0.061052 0.028808 0.032810 0.023790 0.113445 0.364755	0.001137 0.001825 - 0.003909 0.019393 0.006416 0.011705 0.030915 0.011850 0.033742 0.014424 0.042981	0.000342 	0.002784 0.000369 0.006879 0.020789 0.019458 0.017837 0.048002 0.011918 0.076307 0.204343	0.086010 0.000023 0.176254 0.000675 0.034220 0.020151 0.003888 0.007103 0.007085 0.060445 0.022233 0.033962	0.000062 0.094069 0.000012 0.020685 0.001174 0.022818 0.013028 0.019262 0.008057 0.065534 0.028542 0.043408
	Steel, metal products	Non-metals, petroleum, chemicals	Con- struction	Transportation, communications	Distri- bution	All other services
	7	8	9	10	11	12
Agricultural products Forestry products Primary fish Mining products Food, textiles Wood, paper products Steel, metal products Non-metals, petroleum, chemicals Construction Transportation, communications Distribution All other services Total output	0.000056 0.094316 0.020730 0.001133 0.022860 0.013031 0.019238 0.008050 0.065617 0.028581 0.043422 0.317033	0.000058 0.094313 0.000005 0.020730 0.001134 0.022860 0.013031 0.019238 0.008050 0.056616 0.028581 0.043422	0.000231 	0.000008	0.000008 	0.000167 0.000096

TABLE 4.3 C. Coefficient Matrix of Industry Requirements for Industry Outputs without Import Leakage
Atlantic Region 1965, Model I

** JB

	Agri- culture	Forestry, fishing	Mining	Foods, textiles	Manufac- turing, all other	Con- struction	Transportation, communications, distribution	All other services
	1	2	3	4	5	6	7	8
Agriculture	0.018385	0.000924	0.001167	0.109272	0.006806	0.001197	0.001573	0.000850
Forestry, fishing	0.007141	0.000031	0.002692	0.179318	0.090170	0.000223	0.000007	0.000053
Mining	0.007747	0.004279	0.000453	0.000828	0.025471	0.020290	0.000263	0.011387
Foods, textiles	0.131749	0.030605	0.000002	0.064574	0.002142	0.001107	0.001077	0.000601
Manufacturing, all other	0.119869	0.115781	0.148980	0.068701	0.139954	0.313683	0.056826	0.041582
Construction	0.028808	0.010747	0.017837	0.007085	0.008050	0.000673	0.013106	0.049467
Transportation, communications, distribution	0.056600	0.046871	0.059920	0.082678	0.094197	0.131066	0.101755	0.050426
All other services	0.112219	0.037731	0.075483	0.033595	0.042953	0.069296	0.119866	0.065172
Total output	0.482519	0.246970	0.306534	0.546050	0.409743	0.537535	0.294474	0.219538

TABLE 4.3 D. Coefficient Matrix of Industry Requirements for Industry Outputs with Import Leakage Atlantic Region 1965, Model I

 $J(I - \hat{\mu})B$

	Agri- culture	Forestry, fishing	Mining	Foods, textiles	Manufac- turing, all other	Con- struction	Transportation, communications, distribution	All other services
	1	2	3	4	5	6	7	8
Agriculture	0.014920	0.000833	0.001158	0.086452	0.006580	0.001133	0.001568	0.000848
Forestry, fishing	0.006893	0.000016	0.002585	0.176332	0.087056	0.000116	0.000004	0.000028
Mining	0.006305	0.003483	0.000369	0.000674	0.020730	0.016514	0.000214	0.009268
Foods, textiles	0.069822	0.016220	0.000001	0.034222	0.001135	0.000587	0.000571	0.000318
Manufacturing, all other	0.069422	0.047534	0.047147	0.031089	0.056422	0.136610	0.027089	0.021209
Construction	0.028808	0.010747	0.017837	0.007085	0.008050	0.000673	0.013106	0.049467
Transportation, communications, distribution	0.056600	0.046871	0.059920	0.082678	0.094197	0.131066	0.101755	0.050426
All other services	0.111984	0.037652	0.075324	0.033524	0.042863	0.069151	0.119614	0.065035
Total output	0.364755	0.163356	0.204343	0.452056	0.317033	0.355850	0.263922	0.196599

TABLE 4.3 E. Inter-industry Flow Matrix Atlantic Region 1965, Model I

*B

	Agri- culture	Forestry, fishing	Mining	Foods, textiles,	Manu- turing, all other	Con- struction	Transportation, communications, distribution	All other services	Total
	1	2	3	4	5	6	7	8	9
Agriculture	3,348.6	174.7	339.9	56,288.8	thousands 5,506.2	of dollars 882.0	1,594.9	848.1	68,983.2
Forestry, fishing	1,300.7	5.9	784.1	92,370.8	72,947.1	164.3	7.5	53.2	167,633.7
Mining	1,411.0	808.6	132.1	426.5	20,605.8	14,956.7	267.1	11,362.6	49,970.3
Foods, textiles	23,996.5	5,782.8	0.5	33,263.5	1,732.5	815.9	1,091.9	599.5	67,282.9
Manufacturing, all other	21,832.7	21,876.8	43,397.9	35,389.3	113,222.1	231,226.9	57,604.1	41,491.5	566,041.3
Construction	5,247.0	2,030.6	5,196.0	3,649.6	6,512.5	496.0	13,285.2	49,359.9	85,776.7
Transportation, communications, distribution	10,309.0	8,856.4	17,454.8	42,589.2	76,205.3	96,613.2	103,148.9	50,316.9	405,493.6
All other services	20,439.4			17,305.4	34,748.8	51,080.8	121,507.0	65,030.5	339,229.3
Total	87,884.9	46,665.1	89,293.4	281,282.9	331,480.1	396,235.8	298,506.6	219,062.2	1,750,410.0

TABLE 4.4. Direct and Indirect Requirements for Commodities Per Unit of Commodity Output for Final Use Atlantic Region 1965, Model I

 $R_c = INV (I - (I - \hat{\mu}) \overset{*}{B}\overset{*}{J})$

	Agricultural products	Forestry products	Primary fish	Mining products	Food, textiles	Wood, paper products
	1	2	3	4	5	6
Agricultural products Forestry products Forestry products Frimary fish Mining products Food, textiles Wood, paper products Steel, metal products Non-metals, petroleum, chemicals Construction Transportation, communications Distribution All other services Total output	1.019727 0.016296 0.013157 0.010535 0.074648 0.009901 0.009761 0.071622 0.039774 0.063939 0.033182 0.148625	0.002985 1.007491 0.003650 0.006073 0.020706 0.009842 0.013708 0.035931 0.016718 0.049815 0.019010 0.061105	0.001876 0.005427 1.003044 0.005495 0.017274 0.009569 0.013930 0.033597 0.015154 0.048208 0.017782 0.054898	0.000073 0.008345 0.000076 1.002940 0.000429 0.010597 0.022915 0.024371 0.064371 0.065949 0.016646 0.097672	0.091199 0.006292 0.184274 0.004213 1.045500 0.025749 0.008963 0.024261 0.018116 0.092577 0.032827 0.077663 1.611630	0.000512 0.101164 0.000640 0.023569 0.003558 1.027071 0.016813 0.028648 0.015623 0.090768 0.035411 0.074227
	Steel, metal products	Non-metals, petroleum, chemicals	Con- struction	Transportation, communications	Distri- bution	All other services
	7	8	. 9	10	11	12
Agricultural products Forestry products Primary fish Mining products Food, textiles Wood, paper products Steel, metal products Non-metals, petroleum, chemicals Construction Transportation, communications Distribution All other services Total output	0.000502 0.101415 0.000621 0.023617 0.003520 0.027116 1.016821 0.028635 0.015624 0.090877 0.035456 0.074276	0.000505 0.101412 0.000626 0.023616 0.003521 0.027116 0.016821 1.028635 0.015624 0.090877 0.035456 0.074276	0.000401 0.014751 0.000241 0.021004 0.001360 0.051361 0.029971 0.074163 1.010068 0.113312 0.088790 0.107874	0.000134 0.003759 0.000177 0.002844 0.001005 0.005346 0.006905 0.027296 0.022659 1.110373 0.019333 0.150648	0.000134 0.003759 0.000177 0.002844 0.001005 0.005346 0.006905 0.027296 0.022659 0.110374 1.019333 0.150648	0.000342 0.003550 0.000280 0.011738 0.001586 0.015362 0.004432 0.016333 0.055101 0.063780 0.010372 1.087906

TABLE 4.6. Competitive Imported Input Requirements Per Unit Commodity Delivered for Final Use Atlantic Region 1965, Model I

 $\hat{\mu}_{\mathbf{B}}^{**}[\mathbf{I} - (\mathbf{I} - \hat{\mu})_{\mathbf{B}}^{**}]^{-1}$

	Agricultural products	Forestry products	Primary fish	Mining products	Food, textiles	Wood, paper products
	1	2	3	4	5	6
Agricultural products Forestry products Primary fish Mining products Food, textiles Wood, paper products Steel, metal products Non-metals, petroleum, chemicals Construction Transportation, communications Distribution All other services Total output	0.005234 0.000573 0.000219 0.002409 0.066207 0.009069 0.041347 0.027555 - 0.000000 0.000000 0.000000 0.000312	0.000792 0.000263 0.000061 0.001389 0.018364 0.099015 0.058065 0.013824 0.000000 0.000000 0.000000 0.000128	0.000498 0.000191 0.000051 0.001256 0.015321 0.008765 0.059007 0.012926 0.000000 -0.000000 0.000000 0.000115 0.098130	0.000019 0.000294 0.000001 0.000672 0.000381 0.009706 0.097066 0.009665 0.000000 0.000000 0.000000 0.000000	0.024195 0.000221 0.003072 0.000963 0.040355 0.023584 0.037967 0.009334 0.000000 0.000000 0.000000 0.000163 0.139855	0.000136 0.003559 0.000011 0.005390 0.003156 0.024795 0.071220 0.011022 0.000000 0.000000 0.000000 0.000156
	Steel, metal products	Non-metals, petroleum, chemicals	Con- struction	Transportation, communications	Distri- bution	All other services
	7	8	9	10	11	12
Agricultural products Forestry products Primary fish Mining products Food, textiles Wood, paper products Steel, metal products Non-metals, petroleum, chemicals Construction Transportation, communications Distribution All other services Total output	0.000133 0.003568 0.000010 0.005401 0.003122 0.024837 0.071252 0.011017 0.000000 0.000000 0.000000 0.000156	0.000134 0.003568 0.000010 0.005400 0.003123 0.024837 0.071252 0.011017 0.000000 0.000000 0.000000 0.000156	0.000106 0.000519 0.00004 0.004803 0.001206 0.047044 0.126958 0.028533 - 0.000000 - 0.000000 0.0000227	0.000036 0.000132 0.00003 0.000650 0.000891 0.004897 0.029249 0.010502 -0.000000 0.000000 -0.000000 0.000317	0.00036 0.000132 0.000033 0.000650 0.00089 10.004897 0.029249 0.010502 -0.000000 -0.000000 0.000000 0.000317	0.000091 0.000125 0.000005 0.002684 0.001407 0.014070 0.018775 0.006284 0.000000 0.000000 0.000000 0.000185 0.043625

TABLE 4.7. Direct and Indirect Requirements for Industry Output Per Unit Industry Output delivered for Final Use
Atlantic Region 1965, Model I

$$\mathbf{R}_{\mathbf{I}} = \left[\mathbf{I} - \overset{*}{\mathbf{J}} \left(\mathbf{I} - \hat{\boldsymbol{\mu}}\right) \overset{*}{\mathbf{B}}\right] - 1$$

	Agri- culture	Forestry, fishing	Mining	Foods, textiles	Manufac- turing, all other	Con- struction	Transportation, communications, distribution	All other services
	1	2	3	4	5	6	7	8
Agriculture	1.022671	0.002925	0.001859	0.092601	0.007873	0.002723	0.002311	0.001425
Forestry, fishing	0.028209	1.008073	0.007798	0.190147	0.094234	0.013974	0.003656	0.003271
Mining	0.010533	0.005494	1.002939	0.004211	0.023616	0.021002	0.002844	0.011753
Foods, textiles	0.074646	0.017275	0.000431	1.045502	0.003522	0.001365	0.001006	0.000635
Manufacturing, all other	0.091440	0.057124	0.058705	0.058978	1.073933	0.155515	0.039565	0.035403
Construction	0.039774	0.015154	0.024371	0.018116	0.015624	1.010067	0.022659	0.055301
Transportation, communications, distribution	0.097114	0.065987	0.082593	0.125402	0.126330	0.172096	1.129704	0.073851
All other services	0.146708	0.054190	0.096413	0.076662	0.073318	0.106482	0.148707	1.085992
Total output	1.511092	1.226217	1.275105	1.611618	1.418448	1.483222	1.350452	1.267631

TABLE 4.8 A, Direct and Indirect Primary Input Requirements Per Unit Industry Output delivered for Final Use Atlantic Region 1965, Model I

$$\overset{*}{\mathbf{V}}_{\mathbf{B}} \left[\mathbf{I} - \overset{*}{\mathbf{J}} \left(\mathbf{I} - \hat{\mu} \right) \overset{*}{\mathbf{B}} \right] - 1$$

 $\overset{*}{Q}_{B}$

	Agri- culture	Forestry, fishing	Mining	Foods, textiles	Manufac- turing, all other	Con- struction	Transportation, communications, distribution	All other services
	1	2	3	4	5	6	7	8
Taxes	0.053045	0.056932	0.044024	0.036075	0.027910	0.040701	0.049957	0.115178
Subsidies	- 0.036448	- 0.005709	- 0.002980	- 0.007169	- 0.005339	- 0.005013	- 0.027886	- 0.007669
Non-competitive imports	0.046840	0.021371	0.062843	0.154685	0.203095	0.081872	0.032104	0.081039
Wages and salaries	0.238725	0.422579	0.391509	0.364396	0.377177	0.465033	0.540778	0.299201
Unincorporated business income	0.350039	0.206496	0.043487	0.094230	0.047909	0.055220	0.094922	0.096190
Profit, rent, interest	0.082324	0.117276	0.221823	0.149294	0.157213	0.097530	0.141754	0.249128
Depreciation	0.112503	0.082904	0.121268	0.068617	0.072519	0.055211	0.121676	0.124722
Household income	0.636169	0.714288	0.462426	0.534435	0.472109	0.561640	0.694306	0.525089
Education and hospitalization	-	-	_		-		-	-
Provincial revenue	0.008343	0.052457	0.028846	0.024021	0.019183	0.024169	0.039035	0.043286
Municipal revenue	0.042395	0.005966	0.016784	0.016808	0.014209	0.015693	0.019251	0.076022
Federal revenue	- 0.020606	0.003733	0.022513	0.021641	0.026893	0.019346	0.010762	0.026714
Import leakage	0.068224	0.042503	0.230136	0.194607	0.275571	0.114495	0.068276	0.161958
Total primary	0.847029	0.901849	0.881974	0.860128	0.880484	0.790553	0.953306	0.957790
	0.671.000	0.746351	0.656819	0.607921	0.582297	0.617782	0.777454	0.644520
Factor incomes	0.671088	0.880478	0.819131	0.705443	0.677388	0.708681	0.921202	0.876751
Gross Domestic Product	0.800189 0.209744	0.880478	0.081169	0.146032	0.100186	0.121140	0.164174	0.112181

TABLE 4.8 B. Direct and Indirect Requirements for Industry Output Per Unit Commodity Output Delivered for Final Use Atlantic Region 1965, Model I

$R_1 \stackrel{*}{J} \text{ or } \stackrel{*}{J} R_C$

	Agricultural products	Forestry products	Primary fish	Mining products	Food, textiles	Wood, paper products
	1	2	3	4	5	6
Agriculture Forestry, fishing Mining Foods, textiles Manufacturing, all other Construction Transportation, communications, distribution All other services	1.022671 0.028214 0.010535 0.074647 0.091493 0.039774 0.097121 0.146712	0.067495 0.932995 0.006073 0.020706 0.073902 0.016718 0.068824 0.060318	0.002926 1.008075 0.005495 0.017275 0.057149 0.015154 0.065990 0.054192	0.001859 0.007800 1.002940 0.000431 0.058724 0.024371 0.082595 0.096414	0.092597 0.190143 0.004213 1.045449 0.059047 0.018116 0.125404 0.076663	0.007866 0.096572 0.023569 0.003629 1.071292 0.015623 0.126179 0.073271
	Steel, metal products	Non-metals, petroleum, chemicals	Con- struction	Transportation, communications	Distribution	All other services
	7	8	9	10	11	12
Agriculture Forestry, fishing Mining Foods, textiles Manufacturing, all other Construction Transportation, communications, distribution All other services	0.007873 0.094236 0.023617 0.003522 1.073955 0.015624 0.126333 0.073320	0.007875 0.094239 0.023616 0.003553 1.073923 0.015624 0.126333 0.073320	0.002723 0.013978 0.021004 0.001365 0.155570 1.010068 0.172102 0.106485	0.002311 0.003658 0.002844 0.001006 0.039586 0.022659 1.129706 0.148708	0.002311 0.003658 0.002844 0.001006 0.039586 0.022659 1.129706 0.148708	0.014573 0.003593 0.011738 0.001588 0.036137 0.055101 0.074152 1.073898

TABLE 4.9. Direct and Indirect Primary Input Requirements Per Unit Commodity Output Delivered for Final Use Atlantic Region 1965, Model I

$$\overset{*}{\mathbf{V}}_{\mathbf{B}}$$
 $[\mathbf{I} - \overset{*}{\mathbf{J}} (\mathbf{I} - \hat{\boldsymbol{\mu}}) \overset{*}{\mathbf{B}}] - 1 \overset{*}{\mathbf{J}}$

QB					
Agricultural products			Mining products	Food, textiles	Wood, paper products
1	2	3	4	5	6
0.053046 - 0.036448 0.046850 0.238744 0.350042 0.082332 0.112506 0.636192 - 0.008344 0.042395 - 0.020604 0.068238 0.847073 0.671117 0.800222 0.209749	0.056271 - 0.007648 - 0.025593 0.410308 0.213302 0.115642 0.084629 0.705886 - 0.049190 0.008388 0.002526 0.047479 0.89807 0.739253 0.872504 0.235029	0.056932 - 0.005709 0.021376 0.422588 0.206497 0.117280 0.082905 0.714299 - 0.052457 0.005966 0.003733 0.042509 0.90186 0.746365 0.880494 0.238859	0.044024 - 0.002981 0.062846 0.391516 0.043488 0.221826 0.121270 0.462434 - 0.028847 0.016785 0.022514 0.230141 0.881990 0.656829 0.819143 0.081171	0.036075 -0.007169 0.154691 0.364403 0.094228 0.149297 0.068618 0.534439 	0.027986 - 0.005340 0.202633 0.377299 0.048317 0.157113 0.072547 0.472738 - 0.019268 0.014188 0.026835 0.274976 0.880554 0.582726 0.677917 0.100544
Steel, metal products	Non-metals, petroleum, chemicals	Con- struction	Transportation, communications	Distribution	All other services
7	8	9	10	11	12
0.027911 - 0.005339 0.203099 0.377184 0.047910 0.157216 0.072521 0.472118 0.019183 0.014209 0.026894 0.275576	0.027911 - 0.005339 0.203098 0.377183 0.047911 0.157215 0.072521 0.472119 - 0.019183 0.014209 0.026894 0.275573	0.040702 - 0.005013 0.081882 0.465052 0.055222 0.097538 0.055214 0.561664 - 0.024170 0.015693 0.019347	0.049958 - 0.027886 0.032108 0.540785 0.094923 0.141757 0.121678 0.694315 - 0.039035 0.019251 0.010763	0.049958 - 0.027886 - 0.032108 - 0.540785 - 0.094923 - 0.141757 - 0.121678 - 0.694315 - 0.019251 - 0.019763	0.114378 - 0.008039 0.080601 0.298427 0.099459 0.246982 0.124565 0.526523 - 0.042836 0.075589 0.026105 0.160754
	Agricultural products 1 0.053046 -0.036448 0.046850 0.238744 0.350042 0.082332 0.112506 0.636192 -0.008344 0.042395 -0.020604 0.068238 0.847073 0.671117 0.800222 0.209749 Steel, metal products 7 0.027911 -0.005339 0.023099 0.377184 0.047910 0.157216 0.072521 0.472118 0.019183 0.014209	Agricultural products 1 2	Agricultural products Forestry products Primary fish 1 2 3 0.053046 0.056271 0.056932 - 0.036448 - 0.007648 - 0.005709 0.046850 0.025593 0.021376 0.238744 0.410308 0.422588 0.350042 0.213302 0.206497 0.082332 0.115642 0.117280 0.112506 0.084629 0.082905 0.636192 0.705886 0.714299 -0.042395 0.008388 0.005966 -0.022604 0.002526 0.003733 0.068238 0.047479 0.042509 0.847073 0.898097 0.901869 0.671117 0.739253 0.746365 0.800222 0.872504 0.880494 0.209749 0.235029 0.238859 Steel, metal products Non-metals, petroleum, chemicals Construction 7 8 9 O.027911 0.040702 0.05339 -0.005339	Agricultural products Forestry products Primary fish Mining products 1 2 3 4 0.053046 0.056271 0.056932 0.044024 - 0.036448 - 0.007648 - 0.005709 - 0.002981 0.046850 0.025593 0.021376 0.062846 0.238744 0.410308 0.422588 0.391516 0.082332 0.115642 0.117280 0.221826 0.112506 0.084629 0.082905 0.121270 0.636192 0.705886 0.714299 0.462434 -0.008344 0.049190 0.052457 0.028847 0.042395 0.008388 0.005966 0.016785 0.02264 0.002526 0.003733 0.022514 0.068238 0.047479 0.042509 0.230141 0.847073 0.898097 0.901869 0.881990 0.671117 0.739253 0.746365 0.656829 0.800222 0.872504 0.880494 0.819143 0.203099 0.203099	Agricultural products

0.880501

0.582307 0.677398 0.100189 0.790598

0.617812 0.708715 0.121146 0.953323

0.777465 0.921214 0.164175 0.953323

0.777465 0.921214 0.164175 0.956373

0.644867 0.875771 0.113438

0.880502

0.582307

0.677398 0.100188

Factor incomes
Gross Domestic Product
I imployment

TABLE 4.10A. Direct and Indirect Commodity Requirements of Final Expenditure Categories Atlantic Region 1965, Model I

 $[I - (I - \hat{\mu}) \overset{**}{BJ}] - 1 [(I - \hat{\mu}) \overset{*}{D} \overset{*}{E}]$

	Personal consumption	Capital formation	Inventory change	Federa governm defend	ent	Federal government civil	Provincial government	Municipal government
	1	2	3	4		5	6	7
Agricultural products Forestry products Primary fish Mining products Food, textiles Wood, paper products Steel, metal products Non-metals, petroleurn, chemicals Construction Transportation, communications Distribution All other services	0.043355 0.007724 0.022008 0.009380 0.112118 0.017162 0.013939 0.039101 0.022332 0.113384 0.146100 0.321376	0.000283 0.016536 0.000193 0.014618 0.001093 0.033483 0.093543 0.047537 0.620223 0.076164 0.038653 0.071605	2.0396i 3.3956i - 0.0303: - 3.0105: - 0.1720i - 0.3734: - 0.0493 0.3959 0.0531' 0.0450' 0.0616.	9 0.00 2 0.00 8 0.01 1 0.00 3 0.00 2 0.02 4 0.01 4 0.09 4 0.03 6 0.02	0870 5071 1043 1575 5914 9010 6250 7965 22821 22139 33013 5219	0.000968 0.005881 0.000407 0.006446 0.002305 0.014294 0.024239 0.023284 0.23885 0.038852 0.024817 0.050791	0.008879 0.000356 0.011097 0.002019 0.032470 0.018881 0.042199 0.467850 0.129592	0.001198 0.008711 0.000749 0.023632 0.004246 0.020563 0.017834 0.038345 0.268118 0.156007 0.032632 0.150099
	Education	Hospital-	đ	Total			Exports	
		ization		emand	Foreign		Canada	Total
	8	9		10		11	12	13
Agricultural products Forestry products Primary fish Mining products Food, textiles Wood, paper products Steel, metal products Non-metals, petroleum, chemicals Construction Transportation, communications Distribution All other services	0.000112 0.005675 0.000100 0.006595 0.000565 0.025222 0.010099 0.024544 0.178407 0.063577 0.027311	0.000 0.000 0.000 0.000 0.000 0.001	5134 4248 7313 4099 6085 2695 3942 9028 2839 3997	0.024792 0.007041 0.013120 0.011734 0.067013 0.02665 0.026880 0.037254 0.171269 0.098510 0.099230 0.218448		0.043633 0.081078 0.037749 0.294332 0.214144 0.387090 0.053815 0.031194 0.019570 0.122062 0.038134 0.086655	0.088721 0.057257 0.050415 0.176023 0.286025 0.154640 0.263082 0.040744 0.021639 0.186584 0.054706 0.118463	0.060758 0.072030 0.042559 0.249397 0.241445 0.298804 0.133296 0.034821 0.020356 0.146568 0.044429 0.098736

TABLE 4.10B. Direct and Indirect Industry Requirements of Final Expenditure Categories Atlantic Region 1965, Model I

 $\begin{bmatrix} \mathbf{I} - \overset{*}{\mathbf{J}} (\mathbf{I} - \hat{\mu}) \overset{*}{\mathbf{B}} \end{bmatrix} = 1 \overset{*}{\mathbf{J}} \end{bmatrix} \begin{bmatrix} (\mathbf{I} - \hat{\mu}) \overset{*}{\mathbf{D}} : \overset{*}{\mathbf{E}} \end{bmatrix}$

		2 (2 14) 2-1	-11/- 52 -	, -			
	Personal consumption	Capital formation	Inventory change	Federal governme defence	nt government	Provincial government	Municipal government
	1	2	3	4	5	6	7
Agriculture Forestry, fishing Mining Foods, textiles Manufacturing, all other Construction Transportation, communications, distribution All other services Total output	0.047981 0.029177 0.009380 0.112114 0.070272 0.022332 0.259484 0.317238 0.867978	0.002251 0.015531 0.014618 0.001097 0.174711 0.620223 0.114817 0.070683 1.013930 Hospital ization	doi de	0.005 0.011 0.005 0.053 0.092 0.055 0.054	0.00586 575 0.00644 5915 0.00230 5274 0.06186 821 0.23985 1152 0.08366 4508 0.05013	8 0.008629 0.011097 7 0.002022 3 0.93591 0.467850 9 0.168213 7 0.101793	0.003681 0.008836 0.023632 0.004248 0.076812 0.268118 0.188639 0.148166 0.722133
Agriculture Forestry, fishing Mining Foods, textiles Manufacturing, all other Construction Transportation, communications, distribution All other services	0.00127 0.00539 0.00659 0.0056 0.05987 0.17840 0.09088	9 0.00 5 0.00 5 0.02 9 0.05 17 0.13	0523 9025 77313 44100 22755 99028 66837 5746	0.028050 0.019667 0.011734 0.067012 0.084848 0.171269 0.197741 0.215635	0.049877 0.113522 0.294332 0.214160 0.472258 0.019570 0.160196 0.085540	0.093867 0.103624 0.176023 0.286022 0.458895 0.021639 0.241291 0.116937	0.066584 0.109763 0.249397 0.241454 0.467183 0.020356 0.190996
Total output	0.40488	0.41	5326	0.795956	1.409453	1.498297	1.443196

TABLE 4.10C. Indirect Primary Input Requirements of Final Expenditure Categories Atlantic Region 1965, Model I

 $\begin{matrix} \overset{*}{\mathbf{V}_{B}} \left[\mathbf{I} - \overset{*}{\mathbf{J}} \left(\mathbf{I} - \hat{\boldsymbol{\mu}}\right) \overset{*}{\mathbf{B}}\right] - 1 \overset{*}{\mathbf{J}} \left[\left(\mathbf{I} - \hat{\boldsymbol{\mu}}\right) \overset{*}{\mathbf{D}} : \overset{*}{\mathbf{E}}\right] \\ & \ddots \\ & \overset{*}{\mathbf{Q}_{B}} \end{matrix}$

	∠B						
	Personal consumption	Capital formation	Inventory change	Federa governm defenc	ent governme	Provincial government	Municipal government
	1	2	3	4	5	6	7
Taxes	0.045648	0.027009	0.145062	0.01	0.0139	0.027260	0.028570
Subsidies	- 0.009636	- 0.003467	- 0.086865	- 0.00	1759 - 0.0024	- 0.004797	- 0.005546
Non-competitive imports	0.052908	0.065194	- 0.107440	0.01	9171 0.0264	0.046593	0.039069
Wages, salaries	0.244394	0.312903	0.471712	0.08	4722 0.1422	0.271936	0.228427
Unincorporated business income	0.067715	0.037386	1.253517	0.01	3590 0.0194	0.037266	0.037313
Profit, rent, interest	0.115956	0.071399	- 0.202689	0.029	9155 0.0358	0.067527	0.072878
Depreciation	0.069685	0.039200	0.105774	0.01	6481 0.0211	0.040480	0.044227
Household income	0.367790	0.379131	1.978632	0.11	0.1767	771 0.338308	0.297207
Education, hospitalization	-	-	_				_
Provincial revenue	0.022242	0.016231	0.082953	0.00	5739 0.0082	0.015976	0.015864
Municipal revenue	0.026697	0.010668	0.054123	0.00	5269 0.0060	0.011766	0.014024
Federal revenue	0.011470	0.013845	- 0.114947	0.00	4125 0.0059	0.011133	0.009763
Import leakage	0.088787	0.090547	- 0.527464	0.02	9919 0.0384	0.068601	0.063852
Total primary	0.586671	0.549623	1.579072	0.17	1845 0.2565	0.486264	0.444937
Factor incomes	0.428066	0.421687	1.522542	0.12	7467 0.1974	91 0.376729	0.338618
Gross Domestic Product	0,533762	0.484429	1.686515		2674 0.2301		0.405868
Employment	0.087797	0.081653	0.898913		4169 0.0386		0.065709
Employment , ,	0.007757	0.001033		0,02	0.0300		0.000707
	Education	Hospital lization		omestic		Exports	
					Foreign	Canada	Total
	8	9	1	0	11	12	13
Taxes	0.01396	4 0.01	5371	0.035312	0.036828	0.040443	0.038201
Subsidies	- 0.00263	- 0.00	3156 -	0.006959	- 0.006990	- 0.010426	- 0.008295
Non-competitive imports	0.02406	0.02	5208	0.048670	0.135103	0.140244	0.137056
Wages, salaries	0.12759	8 0.12	5918	0.232860	0.384502	0.401642	0.391012
Unincorporated business income	0.01876	6 0.02	3021	0.050924	0.071663	0.089543	0.078454
Profit, rent, interest	0.03639	6 0.04	0492	0.090512	0.169772	0.167180	0.168788
Depreciation	0.02167	4 0.02	4271	0.053659	0.089332	0.092261	0.090445
Household income	0.16182	5 0.16	6790	0.325627	0.505296	0.548374	0.521657
Education, hospitalization	-		_	-	_	_	_
Provincial revenue	0.00803	4 0.00	8496	0.018070	0.024684	0.025498	0.024993
Municipal revenue	0.00647	4 0.00	7644	0.019297	0.016183	0.019594	0.017479
Federal revenue	0.00549	1 0.00	5414	0.010672	0.021764	0.020639	0.021337
Import leakage	0.03632	4 0.03	8510	0.077652	0.222952	0.214522	0.219750
Total primary	0.23982	3 0.25	1125	0.504977	0.880211	0.920888	0.895660
Finetor incomes	0.1000	0					
Factor incomes	0.18275			0.374295	0.625937	0.658365	0.638253
	0.21576			0.456307	0.745107	0.780643	0.758604
Employment	0.03553	0.03	7880	0.075168	0.114739	0.130191	0.120608

TABLE 4.11. Transformation of Final Expenditure Flows into Primary Inputs (Indirect Impact Only)
Atlantic Region 1965, Model I

		ΛB		,				
	Personal consumption	Capital formation	Inventory change	Federa governme defence	ent	Federal government civil	Provincial government	Municipal government
	1	2	3	4		5	6	7
			tl	nousands of	dollar	s		
Taxes	111,324.1	16,467.9	- 295.3	2,1	72.3	3,014.9	7,959.0	2,150.4
Subsidies	- 23,500.8	- 2,114.1	176.8	- 3	64.5	- 524.8	- 1,400.6	- 417.5
Non-competitive imports	129,030.9	39,750.0	218.7	3,9	71.8	5,712.6	13,603.7	2,940.7
Wages, salaries	596,021.1	190,783.0	- 960.4	17,5	52.9	30,736.3	79,396.9	17,193.4
Unincorporated business income	165,141.1	22,795.0	- 2,552.0	2,8	15.5	4,191.9	10.880.7	2,808.5
Profit, rent, interest	282,790.9	43,533.3	412.7	6,0	40.4	7,743.1	19,715.7	5,485.5
Depreciation	169,945.5	23,901.0	- 215.3	3,4	14.6	4,562.5	11,818.8	3,328.9
Household income	896,954.6	231,164.0	- 4,028.3	22,8	54.4	38,194.6	98,775.8	22,370.5
Education, hospitalization	_	-	_		-	_	_	_
Provincial revenue	54,242.5	9,896.5	- 168.9	1,1	88.9	1,778.8	4,664.4	1,194.0
Municipal revenue	65,107.8	6,504.8	- 110.2	1,0	91.7	1,297.2	3,435.3	1,055.6
Federal revenue	27,971.6	8,441.7	234.0	8	54.6	1,292.1	3,250.4	734.9
Import leakage	216,530.8	55,208.2	1,073.9	6,1	98.7	8,311.5	20,029.5	4,806.1
			2.044.0		02.0.1		1410843	22 400 0
Total primary	1,430,753.0	335,116.2	- 3,214.8	35,6	03.0	55,436.6	141,974.3	33,490.0
		057.111.1	2 000 0	26.4	007	42 (71 4	100 002 2	25 497 4
Factor incomes	1,043,953.3	257,111.1	- 3,099.8	1	08.7	42,671.4	109,993.3	25,487.4
Gross Domestic Product	1,301,722.0	295,365.9	- 3,433.6		31.2	49,724.0	128,370.5	30,549.3
Employment	214,116.4	49,785.8	- 1,830.1	5,0	07.3	8,357.0	21,628.5	4,945.8
		1						
	Education	Hospital	To	tal estic			Exports	
	Education	ization	dom dem	estic land	F	oreign	Canada	Total
	Education 8		dom dem	estic nand		11		Total
	8	ization 9	dom dem	estic nand 0 nousands of		11	Canada 12	13
Taxes	2,885.2	9 2,2	dom dem 1	estic hand 0 ousands of 147,907.3		22,176.8	Canada 12 - 14,914.0	37,090.9
Taxes	2,885.2 - 544.7	2,2	dom dem 1 th	estic and 0 0 cousands of 147,907.3 29,147.7		11 s 22,176.8 - 4,209.3	Canada 12 - 14,914.0 - 3,844.7	37,090.9 - 8,054.0
	2,885.2 - 544.7 4,971.2	2,2 - 4 3,6	dom dem 1 th 228.8	estic and 0 0 147,907.3 29,147.7 203,854.6		22,176.8 - 4,209.3 81,354.9	Canada 12 -14,914.0 -3,844.7 51,717.9	37,090.9 - 8,054.0 133,073.0
Subsidies	2,885.2 - 544.7 4,971.2 26,363.0	2,2 - 4 3,6 18,2	dom dem 1 th 228.8	estic and 0 ousands of 147,907.3 29,147.7 203,854.6 975,343.9		22,176.8 - 4,209.3 81,354.9 231,535.8	Canada 12 - 14,914.0 - 3,844.7 51,717.9 148,113.8	37,090.9 - 8,054.0 133,073.0 379,649.7
Subsidies	2,885.2 - 544.7 4,971.2 26,363.0 3,877.2	2,7 - 4 3,6 18,2 3,3	dom dem 1 th 228.8	estic land 0 0 lousands of 147,907.3 29,147.7 203,854.6 975,343.9 213,295.9		22,176.8 - 4,209.3 81,354.9 231,535.8 43,153.3	Canada 12 - 14,914.0 - 3,844.7 51,717.9 148,113.8 33,020.7	37,090.9 - 8,054.0 133,073.0 379,649.7 76,173.9
Subsidies	2,885.2 - 544.7 4,971.2 26,363.0 3,877.2 7,519.7	2,2 - 4 3,6 18,3 5,8	dom dem 1 th 228.8 555.1 5555.1 5288.2 538.1 5371.4	estic land 0 0 147,907.3 29,147.7 203,854.6 975,343.9 213,295.9 379,112.6		22,176.8 - 4,209.3 81,354.9 231,535.8 43,153.3 102,231.4	Canada 12 -14,914.0 -3,844.7 51,717.9 148,113.8 33,020.7 61,651.2	37,090.9 - 8,054.0 133,073.0 379,649.7 76,173.9 163,882.8
Subsidies Non-competitive imports Wages, salaries Unincorporated business income	2,885.2 - 544.7 4,971.2 26,363.0 3,877.2 7,519.7 4,478.1	2,7 - 4 3,6 18,2 3,5 5,8	dom dem 1 th 228.8 357.7 - 555.1 388.1 3871.4 3619.3	estic chand 0 0 147,907.3 29,147.7 203,854.6 975,343.9 213,295.9 379,112.6 224,753.4		22,176.8 - 4,209.3 81,354.9 231,535.8 43,153.3 102,231.4 53,793.0	Canada 12 -14,914.0 -3,844.7 51,717.9 148,113.8 33,020.7 61,651.2 34,023.3	37,090.9 - 8,054.0 133,073.0 379,649.7 76,173.9 163,882.8 87,816.4
Subsidies Non-competitive imports Wages, salaries Unincorporated business income Profit, rent, interest	2,885.2 - 544.7 4,971.2 26,363.0 3,877.2 7,519.7 4,478.1	2,7 - 4 3,6 18,2 3,5 5,8	dom dem 1 th 228.8 555.1 5555.1 5388.1 5371.4 5519.3	estic land 0 0 147,907.3 29,147.7 203,854.6 975,343.9 213,295.9 379,112.6		22,176.8 - 4,209.3 81,354.9 231,535.8 43,153.3 102,231.4	Canada 12 -14,914.0 -3,844.7 51,717.9 148,113.8 33,020.7 61,651.2	37,090.9 - 8,054.0 133,073.0 379,649.7 76,173.9 163,882.8
Subsidies Non-competitive imports Wages, salaries Unincorporated business income Profit, rent, interest Depreciation	2,885.2 - 544.7 4,971.2 26,363.0 3,877.2 7,519.7 4,478.1 33,434.8	2,3 - 4 3,6 18,3 5,6 3,2	dom dem 1 th 228.8	estic land 0 0 147,907.3 29,147.7 203,854.6 975,343.9 213,295.9 379,112.6 224,753.4 363,904.0		22,176.8 - 4,209.3 81,354.9 231,535.8 43,153.3 102,231.4 53,793.0 304,274.2 -	Canada 12 -14,914.0 -3,844.7 51,717.9 148,113.8 33,020.7 61,651.2 34,023.3 202,224.3	37,090.9 - 8,054.0 133,073.0 379,649.7 76,173.9 163,882.8 87,816.4 506,498.5
Subsidies Non-competitive imports Wages, salaries Unincorporated business income Profit, rent, interest Depreciation Household income	2,885.2 - 544.7 4,971.2 26,363.0 3,877.2 7,519.7 4,478.1 33,434.8	2,2 - 4 3,6 18,2 3,5 5,6 3,2 24,1	dom dem 1 th 228.8 357.7 555.1 258.2 371.4 519.3 231.9 231.9	estic land 0 0 147,907.3 29,147.7 203,854.6 975,343.9 213,295.9 379,112.6 224,753.4 363,904.0 75,688.0		22,176.8 - 4,209.3 81,354.9 231,535.8 43,153.3 102,231.4 53,793.0 304,274.2 - 14,863.8	Canada 12 -14,914.0 -3,844.7 51,717.9 148,113.8 33,020.7 61,651.2 34,023.3 202,224.3	37,090.9 - 8,054.0 133,073.0 379,649.7 76,173.9 163,882.8 87,816.4 506,498.5 - 24,266.6
Subsidies Non-competitive imports Wages, salaries Unincorporated business income Profit, rent, interest Depreciation Household income Education, hospitalization	2,885.2 - 544.7 4,971.2 26,363.0 3,877.2 7,519.7 4,478.1 33,434.8 - 1,659.8 1,337.7	ization 9 2,3 -4 3,6 18,2 3,5 5,8 24,1	dom dem 1 th 228.8 357.7 - 555.1 388.1 371.4 381.9 388.7 - 388.7 - 388.8	estic land 0 0 147,907.3 29,147.7 203,854.6 975,343.9 213,295.9 379,112.6 224,753.4 363,904.0 75,688.0 80,828.2		22,176.8 - 4,209.3 81,354.9 231,535.8 43,153.3 102,231.4 53,793.0 304,274.2 - 14,863.8 9,745.0	Canada 12 -14,914.0 -3,844.7 51,717.9 148,113.8 33,020.7 61,651.2 34,023.3 202,224.3 9,402.8 7,225.8	37,090.9 - 8,054.0 133,073.0 379,649.7 76,173.9 163,882.8 87,816.4 506,498.5 - 24,266.6 16,970.8
Subsidies Non-competitive imports Wages, salaries Unincorporated business income Profit, rent, interest Depreciation Household income Education, hospitalization Provincial revenue	2,885.2 - 544.7 4,971.2 26,363.0 3,877.2 7,519.7 4,478.1 33,434.8 - 1,659.8 1,337.7 1,134.5	ization 9 2,7 4 3,6 18,7 5,6 3,5 24,1	dom dem 1 th 228.8 355.1 358.2 388.1 371.4 319.3 384.7 1,7 231.9 108.4	estic hand 0 0 10 10 10 10 10 10 10 10 10 10 10 10		22,176.8 - 4,209.3 81,354.9 231,535.8 43,153.3 102,231.4 53,793.0 304,274.2 - 14,863.8 9,745.0 13,105.6	Canada 12 -14,914.0 -3,844.7 51,717.9 148,113.8 33,020.7 61,651.2 34,023.3 202,224.3 - 9,402.8 7,225.8 7,610.9	37,090.9 - 8,054.0 133,073.0 379,649.7 76,173.9 163,882.8 87,816.4 506,498.5 - 24,266.6 16,970.8 20,716.5
Subsidies Non-competitive imports Wages, salaries Unincorporated business income Profit, rent, interest Depreciation Household income Education, hospitalization Provincial revenue Municipal revenue	2,885.2 - 544.7 4,971.2 26,363.0 3,877.2 7,519.7 4,478.1 33,434.8 - 1,659.8 1,337.7	ization 9 2,7 4 3,6 18,7 5,6 3,5 24,1	dom dem 1 th 228.8 355.1 358.2 388.1 371.4 381.9 381.9 381.9 381.9 381.9 381.9	estic land 0 0 147,907.3 29,147.7 203,854.6 975,343.9 213,295.9 379,112.6 224,753.4 363,904.0 75,688.0 80,828.2		22,176.8 - 4,209.3 81,354.9 231,535.8 43,153.3 102,231.4 53,793.0 304,274.2 - 14,863.8 9,745.0	Canada 12 -14,914.0 -3,844.7 51,717.9 148,113.8 33,020.7 61,651.2 34,023.3 202,224.3 9,402.8 7,225.8	37,090.9 - 8,054.0 133,073.0 379,649.7 76,173.9 163,882.8 87,816.4 506,498.5 - 24,266.6 16,970.8
Subsidies Non-competitive imports Wages, salaries Unincorporated business income Profit, rent, interest Depreciation Household income Education, hospitalization Provincial revenue Municipal revenue Federal revenue	2,885.2 - 544.7 4,971.2 26,363.0 3,877.2 7,519.7 4,478.1 33,434.8 - 1,659.8 1,337.7 1,134.5	ization 9 2,7 -4 3,6 18,2 3,5 5,6 24,1 1,7 5,6	dom dem 1 th 228.8 357.7 - 555.1 371.4 371.4 371.4 371.9 308.4 785.0 584.0	estic hand 0 0 10 10 10 10 10 10 10 10 10 10 10 10		22,176.8 - 4,209.3 81,354.9 231,535.8 43,153.3 102,231.4 53,793.0 304,274.2 - 14,863.8 9,745.0 13,105.6	Canada 12 -14,914.0 -3,844.7 51,717.9 148,113.8 33,020.7 61,651.2 34,023.3 202,224.3 - 9,402.8 7,225.8 7,610.9	37,090.9 - 8,054.0 133,073.0 379,649.7 76,173.9 163,882.8 87,816.4 506,498.5 - 24,266.6 16,970.8 20,716.5
Subsidies Non-competitive imports Wages, salaries Unincorporated business income Profit, rent, interest Depreciation Household income Education, hospitalization Provincial revenue Municipal revenue Federal revenue Import leakage Total primary	8 2,885.2 - 544.7 4,971.2 26,363.0 3,877.2 7,519.7 4,478.1 33,434.8 - 1,659.8 1,337.7 1,134.5 7,504.9 49,549.8	ization 9 2,3 4 3,6 18,3 3,5 5,6 3,9 24,1	dom dem 1 th 228.8 357.7 - 555.1 258.2 338.1 519.3 384.7 - 231.9 208.4 285.0 384.0 384.0	estic land 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		22,176.8 - 4,209.3 81,354.9 231,535.8 43,153.3 102,231.4 53,793.0 304,274.2 - 14,863.8 9,745.0 13,105.6 134,254.8 530,036.8	Canada 12 -14,914.0 -3,844.7 51,717.9 148,113.8 33,020.7 61,651.2 34,023.3 202,224.3 9,402.8 7,225.8 7,610.9 79,109.4	37,090.9 - 8,054.0 133,073.0 379,649.7 76,173.9 163,882.8 87,816.4 506,498.5 - 24,266.6 16,970.8 20,716.5 213,364.3
Subsidies Non-competitive imports Wages, salaries Unincorporated business income Profit, rent, interest Depreciation Household income Education, hospitalization Provincial revenue Municipal revenue Import leakage Total primary Factor incomes	8 2,885.2 - 544.7 4,971.2 26,363.0 3,877.2 7,519.7 4,478.1 33,434.8 - 1,659.8 1,337.7 1,134.5 7,504.9 49,549.8	ization 9 2,7 3,6 18,7 3,9 24,1 1,2 1,1 5,5 36,4 27,4	dom dem 1 th 228.8 357.7 - 355.1 388.1 371.4 381.9 388.7 - 231.9 388.0	estic land 0 lousands of 147,907.3 29,147.7 203,854.6 975,343.9 213,295.9 379,112.6 224,753.4 363,904.0 75,688.0 80,828.2 44,698.8 325,247.4 115,120.0		22,176.8 - 4,209.3 81,354.9 231,535.8 43,153.3 102,231.4 53,793.0 304,274.2 - 14,863.8 9,745.0 13,105.6 134,254.8	Canada 12 -14,914.0 -3,844.7 51,717.9 148,113.8 33,020.7 61,651.2 34,023.3 202,224.3 -9,402.8 7,225.8 7,610.9 79,109.4 339,596.7	37,090.9 - 8,054.0 133,073.0 379,649.7 76,173.9 163,882.8 87,816.4 506,498.5 - 24,266.6 16,970.8 20,716.5 213,364.3
Subsidies Non-competitive imports Wages, salaries Unincorporated business income Profit, rent, interest Depreciation Household income Education, hospitalization Provincial revenue Municipal revenue Federal revenue Import leakage Total primary	8 2,885.2 - 544.7 4,971.2 26,363.0 3,877.2 7,519.7 4,478.1 33,434.8 - 1,659.8 1,337.7 1,134.5 7,504.9 49,549.8	ization 9 2,3 -4 3,6 18,2 3,3 5,8 24,1 1,1 5,5 36,4 27,4 32,7	dom dem 1 th 228.8 357.7 - 555.1 388.1 371.4 3871.4 3871.4 388.7 - 388.9	estic land 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		22,176.8 - 4,209.3 81,354.9 231,535.8 43,153.3 102,231.4 53,793.0 304,274.2 - 14,863.8 9,745.0 13,105.6 134,254.8 530,036.8	Canada 12 -14,914.0 -3,844.7 51,717.9 148,113.8 33,020.7 61,651.2 34,023.3 202,224.3 -9,402.8 7,610.9 79,109.4 339,596.7	37,090.9 - 8,054.0 133,073.0 379,649.7 76,173.9 163,882.8 87,816.4 506,498.5 - 24,266.6 16,970.8 20,716.5 213,364.3 869,633.4



APPENDIX I

OUTPUT AND SUPPLY FLOWS AND INPUT AND DEMAND FLOWS, 1965



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MODEL 1 NFLD., 1965 - OUTPUT AND SUPPLY FLOWS J,M (\$7000)

	PRODUCTS	PRODUCTS	FISH		QUARRIES	& FRUIT	PRODUCTS	PRODUCTS	DIST, BREW	CLOTHING
	-	7	e	4	W	٠	7	œ	6	10
AGRICULTURE	10059.9	55.0	: :	1 1	\$ 8 E 0	: :	8 8 6 9	1 1	*	# 1
PRIMARY FISHING	1	2	28698.0	1 1	1	: :	1 1	1 1	1 1	1 1
METAL MINING		8	1	153111.3	***************************************	*	* •	:	!	!
NONME AL, QUARRIES	*	*	:		16314.2	41602	:	*	:	8
MEALLDAIR LIFROIL	9 9	: :	: :	: :	: :	797.9	42851.1	: :	1 1	1 1
MISC. FOODS, NES	:	:	;	*	1	1		10070.7	*	
S.DRINK, DIST, BREW	:	:	1	1	•	117.3	*	6	10824.3	1
ES, CLOTHING	8 0		*	4 1	•	:	1	*	:	1190.3
SAWMILLS, WOOD PR.	1	417.8	1		:	1	1	8 6	8 8	•
PULK-FAFEK & PK		:		1	•		***	1	1	!
METAL FARRIC	: :	1	1 1			: :		: :	9 (\$ 1
MACH. & EOUIPT.	1	8 0	8 2	\$ t	-		8 8	:	: :	
TRANSP. EQUIPT.	1	•	4 0		:	*	*	1	1	8 9
T.MINERAL PR	:	:	:	1	1	1	1	1	1	!
PETR, FERT, PNT, SOAP	*	*	1	1	1	0 0	!	1	:	î
	*	;	1	:	}	!	*	8 9	*	0 0
MISC. MANUF.	1	1	9 8	:	1	5 0	1	1	•	•
TEANS TEANS	1 1	9 (a (*		:	1	:	!	70
RADIO TEL TELEG	1	: :	8 1				: :	9 8	1	1
E POWER WATER GAS	: :		: :				1 1		1	1 1
DISTRIBUTION	:	0 0	;	0	5 0	* 0	:	:	î	
AUTO OPERATION	*	:		8 6	1	1	ŧ	\$:	
FINANCE, R.E.		1	:	1	:	!	*	;	1	***
DWELLING SERVICES	1	1	3 0	8 8	\$ 6	1	‡	:	1	
HOTELS, REST	1	:		8 6	9	1	•	1	!	-
AAL SERVICES	:	•	:	3 0	\$ 1	6 6	•	\$ \$	-	Ī
BUSINESS SERVICES	0 0	0 0	*	1	1	9 8	:	:	:	1
TOTAL OUTPUT	10059.9	26106.8	28698.0	153111.3	16314.2	5083.5	42851.1	10070.7	10824.3	1190.3
IMPORTS - NS	1425.0	1 9	\$ 3	6 0	675.6	3179.3	500.0	1579.0	300.0	400.6
13 - NB	17213	0.02	1 1	: :	300.0	1051.6	0.00	4834.2	1	1577
MPORTS - NFLD		:	1	:	: :					1.701
IMPORTS - RES.	4607.8	483.0 503.0	1 1	! !	975.6	33583.5 41016.7	197.9	7029.8	2263.0 2563.0	30199.6
TOTAL SUPPLY	18288.6	26609.8	28698.0	153111.3	17289.8	46100.2	44199.5	23513.7	13387.3	31948.2
TOTAL INTED DEM	12010	21005 9	204010		4176.9	11270	2110	41701	600	0 000
TOTAL DOM.FIN.DEM	15250.9	-46.2	2297.0	5466.5	175.2	44962.4	3459.7	19299.4	13318.0	29191.2
					1.000		0.77101	7:00		0.021
TOTAL DEMAND	18288.6	26609.8	28698.0	153111.2	17289.8	46100.2	44199.5	725127	122272	21048 7

MODEL 1 NFLD., 1965 - OUTPUT AND SUPPLY FLOWS J.M (\$'000)

MISC. MFG. PROD.	20	1	0		;	1	*	ţ	!	1	1	: :	1	1	1	1	1	8 2 6 9	0:170	1	:	1	1	!	1			1	627.8	1 96 1	230.9	1	150.0	577.0	1204.8	0 4 4 0	660.7	1	1204.7
	19	8 8	1		8	3 1	1	1	!	3 3	1	1 1	1	1	1	:	1	1 1		!		;	1	1	1	1 1		!	1	1		1	1 1	;	;		1 1	1 2	1
PETR,FERT, PAINT,SOAP	18	1	1	1 1	;	1	1	!	5.6	1	1	: 1	; ;	1	1	1 \	10016.6	:	; ;	:	!	1	1	:	:	: :	1 1	đ t	10022.2	0.402.0	2154.4	1	18070 9	29576.2	39598.4		14077.2	276.6	39598.3
NONMET.	17	1	*	1 1	: :	•	:	1	1	1	1	!	1 1		1	9.9229	!	0 0	:	1	•	:		1	8 8	1	1 1	!	6776.6	1360	53.5	;	1000	9161.4	15938.0	4	15234.5	9.008	15938.1
TRANSP. EQUIPT.	16	;	1	\$ **	1 1	: 1	1 1	1	1	1	1	1	:	1 1	340.3	1	8	1	1	1 1	1	. :	!	9 8	1	t	1 1	: :	340.3	0 000	1027.0	30.0	- 00376	35583.2	35923.5		6436.9 29486.6	;	35923.5
MACH. & EQUIPT.	15	!	:	1	1	*	1	1 1		1	1	!	10 44	1673.1	: !	;	i		1	!	: :	: :	1	;	1	!	6 5	: :	1728.9		374.9	1	1 · ·	70391.9	72120.8		28845.1	*	72120.7
FABRIC. METAL PROD	14	2 1	!	8	8 8	8 0	1	1	1	1	;	;	1 0	4683.9	: :	í	1	1	:	*	:	} (***	1	1 0	:	: :	4683.9		871.0	20.5	1	13876.2	18560.1		18187.3	; ;	18560.0
PRINTING	13	1	1	1	1	!	1	•	: :	1 1	\$ 0	1	3978.1	1	: :	1	1	1	•	1	9 9	1	: :	1	1	1	!	1 1	3978.1	2710:1	380.0	1	1	2148.5	84718		2718.2	1 1	6571.5
PULP-PAPER & PROD.	12	t i	*	*	:	1	0 0	:	1	1 1	: :	75227.3	1	:	;	! !	1	1	:	!	:	1	: :		9 0	1	:	: :	75777	13461	368.0	130.1	:	4366.9	200200	7.00000	4955.0	73732.2	80300.1
SAWMILLS, WOOD PR	11		21.0	:	1	1	:	*	1	1	41584		1	\$ 0	:	1 1	1	1	1	1	0 0	!		9 1		1	1		4170.4	41/9.4	1300.3	043.0	;	19848.7	21372.8	7.7/107	19812.3	730.5	26172.8
			AGKICULI UKE	PRIMARY FISHING	METAL MINING	JONMETAL OUARRIES	MEAT, DAIRY, FRUIT	SECONDARY FISHING	MISC. FOODS, NES	S.DRINK, DIST, BREW	TEXTILES, CLOI HING	DAWMILLS, WOOD FN	PRINTING	METAL FABRIC	MACH. & EQUIPT.	TRANSP. EQUIPT.	NONMEL MINERAL FR	EIK, FEKI, FINI, SOM	MISC MANUF.	CONSTRUCTION	TRANSP, TRAVEL, ENT	RADIO, TEL, TELEG	E.POWER, WATER, GAS	DISTRIBUTION	AUTO OFEKATION	DWELLING SERVICES	HOTELS, REST.	PERSONAL SERVICES	BUSINESS SEKVICES	TOTAL OUTPUT	IMPORTS - NS	MPORTS - NB	IMPORTS - LEI	IMPORTS - RES	IOIAL IMPORTS	TOTAL SUPPLY	TOTAL INTER.DEM	TOTAL DOM.FIN.DEMTOTAL EXPORTS	TOTAL DEMAND
																												30 PI		32				37 IN		39		41 42 T	43

MODEL 1 NFLD., 1965 - OUTPUT AND SUPPLY FLOWS J,M (\$7000)

AGRICULTURE	23	2	55	98	11111111111111111111111	730.0	1	8
186306.0	12700.8					730.0		
186306.0	12700.8							
186306.0	12700.8							
186306.0	12700.8							
186306.0	12700.8							
186306.0	12700.8							
186306.0	12700.8							
PR	12700.8							
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L PR	12700.8							
NUPT	12700.8	1 1 1 1 1 1 1 1 1 1	11111111			* * * * * * * * * * * *		
186306.0	12700.8							
186306.0 11806.	12700.8		111111					
186306.0 11806.	12700.8		11111					
186306.0 11806.			1111	11111			1111	1111
AF		1 1 1 1 1	1 1 1 1	1 1 1 1 1	1 1 1 1	1 1 1 1	1 1 1	
NT	12700.8	::::	1 1 1	1 1 1 1	1 1 1	1 1 1	1 1	;
NT	12700.8	: : :	: :	1 1 1	1 1	: :	;	• •
NT	12700.8	: :	:	1 1	:			i
186306.0	12700.8			:		;	1	
186306.0		;	: :	1	1	:	:	1
186306.0	1 (26247.7	;	;		: :	: :	1
186306.0	-	;	101476.9	*	6	1	;	
	;	1	}	34204.6	:	!	1	i
186306.0	:	;	;	:	38970.2	8.0	:	0.00
	1	1	1	:	:	39318.7		
186306.0 11806	;	;	1	:	;	;	14135.0	1
186306.0 11806	;	1	1	!	1	0.0	;	19962.0
186306.0 11806	1	:	:	:	1	:	:	1
	12700.8	26247.7	101476.9	34204.6	38970.2	40048.7	14135.0	19962.0
IMPORTS - NS	1 1	8 8	1	:	1	1	1	
IMPORTS - NB	1	;	1	;	!	1	;	1 1
IMPORTS - PEI	;	1	:	}	1	:	;	;
!	:	1	;	:	:	1	:	!
TOTAL IMPORTS	:	:	1	***	1561.0	:	8	10-10
IOTAL IMPORTS	:	1	1	:	1561.0	0 0	8 0	1
TOTAL SUPPLY 186306.0 118063.0	12700.8	26247.7	101476.9	34204.6	40531.2	40048.7	14135.0	19962.0
6 6 6 6 6 0 0 0	7722.2	17110.1	8.010.8	12134.7	36530.0	1	3073.0	1245.8
TOTAL EXPORTS	49/8.6	9137.5	82466.1	22069.9	4001.2	40048.7	11062.0	18716.2
TOTAL DEMAND	12700.8	26247.6	101476.8	34204.6	405312	40048 7	141350	100630

MODEL 1 NFLD., 1965 - OUTPUT AND SUPPLY FLOWS J.M (\$7000)

TOTAL	32	10844.9 25655.0 28698.0 153111.3 163114.3 4168.3 4168.3 4168.3 4168.3 4169.3 1190.3 4739.7 1190.3 4739.7 1180.3 11	1018241.9	320. 320. 323. 32.	1307462.0	359572.3 636836.0 311036.7 1307445.0
BUSINESS	31	14253.3	14253.3	11111	14253.3	10436.2 2689.6 1127.5 14253.3
- LL 0		AGRICULTURE FORESTRY PRIMARY FISHING METAL MINING MEATLOAIRY, FRUIT SECONDARY FISHING MISC. FOODS, NES. S.DRINK, DIST, BREW TEXTILES, CLOTHING SAWMILLS, WOOD PR. PULP-PAPER & PR. PRINTING MACH & EQUIPT. TRANSP. EQUIPT. MACH & EQUIPT. MONMET MINERAL PR. PETR, FERT, PNT, SOAP. MISC. MANUF. CONSTRUCTION. TRANSP, TRAVEL, ENT TRANSP, TRAVELS. TRANSP, TRAVELS. TRANSP, TRAVELS. TRANSP, TRAVELS. TRANSP,	TOTAL OUTPUT	22222	TOTAL SUPPLY	TOTAL INTER.DEM
		2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	32	33 34 34 34 34 34 34 34 34 34 34 34 34 3	39	40 42 43

IKS, TEXTILES, REW CLOTHING	10	111	0.6 50.9	735.8	8.9 0.3 14.8 63.7 1.0		233.6 7.2	69.0 14.8 436.8 19.5 119.5 17.6 17.6 17.6 17.6 17.6 17.6 17.6 17.6		2934.2 520.9	803.7 194.2 194.2 1948.5 493.6 13.7 194.2 13.7 194.5 13.7 194.5 13.7 19.8 13.7 19.8 13.7 19.8 13.7 19.8 19.8 19.8 19.8 19.8 19.8 19.8 19.8		8013.0 669.4	458.6 475.2 425.0 212.0	
S.DRINKS, IES DIST,BREW	6	104.0	9.0	3.3		0.8	2 2	599.7 44.3 74.2 1.30.0					6		
Y MISC. FOODS,NES	a 0					01				.5 3195.8	222 1 23 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	(*)	5 6874.	\$ 3427.0 8 3853.4 0 515.0	
SECONDARY	7	20401.0	37.2 442.6		193.5		415.1	100.7 667.0 1884.0 233.0 456.0 245.7 245.7	41.5	28392.	601.3 92.7 10876.0 53.0 2553.5 1080.0		15256.	13482.5 15163.8 4275.0	000000
MEAT,DAIRY & FRUIT	9	1033.3	441.5	122.3	194.2	0.3	64.0	12.2 11.9 222.9 6.9 6.9 47.3 109.7	23.4	2469.6	25.2 50.3 895.0 13.5 643.7 71.0	57.1 10.4 147.2 250.3	1698.7	1552.2 1648.4 243.0	
NONMETALS, QUARRIES	w	1 1 1	!!!		101.6 209.3 8.0	1156.4	527.7	417.0 417.0 15.1 463.6 173.9 188.0	5.0	3568.1	221.0 110.1 4106.2 2100.0 4923.8 1285.0 6937.9	284.3 16.7 393.3 3833.9	12746.1	11130.0 12636.0 730.0	
METAL	4	1 1 1	: : :	6 5 9 3 9 9	633.1 56.1 93.0	2429.9 17384.1	5956.0	4044.0 9087.8 182.0 10363.3 2141.9 934.8	29.0	55366.0	31873.1 10172.9 39792.7 31873.1 10194.7	4184.1 1639.8 3030.0 38569.1	97745.3	71665.8 87572.4 5843.0	
PRIMARY FISHING	m	1 1 1	625.3	515.6	521.3	610.0 870.4 644.9	1511.2	191.5 125.9 762.8 762.8 110.6 110.6 238.9	20.0	9385.4	869.9 -446.1 165.6 10516.8 4413.5 2409.9 17340.7	850.8 14.1 -441.1 165.6	19312.6	17340.2 19147.0 15000.0	
FORESTRY	2	19.3	# # # 0 0 E	: : : 70	10.6	261.1	548.4	249.0 191.4 312.0 19.6 113.0 234.0	15.0	3511.3	83.1 15417.0 741.4 3382.5 1908.7	581.9 20.0 13.0 343.1	22143.7	19540.9 22060.6 3500.0	
AGRI- CULTURE	-	128.0	133.0	2672.0	47.0 10.0 42.0	144.0	51.0	100.0 374.0 45.0 88.0 280.0 280.0	2.0	5771.0	167.0 -839.0 62.0 1058.0 3486.0 599.9 540.0	-1.0 156.0 -823.0 62.0	5073.9	5143.9 5011.9 1850.0	
		AGRIC. PRODUCTS	METALS	MISC. FISH PRODUCTS	SAWMILL, WOOD PROD PULP-PAPER & PROD PRINTING	FABRIC, METAL PROD	NONMET.MINERAL PR	CONSTRUCTION TRANSP, TRAVEL, ENT RADIO, TEL, TELEG. EPOWER, WATER, GAS DISTRIBUTION AUTO OPERATION	DWELLING SERVICES HOTELS, REST. PERSONAL SERVICES BUSINESS SERVICES.	TOTAL INTERINPUT	TAXES. SUBSIDIES. NON-COMP. IMPORTS. WAGES & SALARIES. DVINCORP.BUS.INC. PROFIT, RENT, INT.	EDUCATION & HOSP PROVINCIAL REVENUE MUNICIPAL REVENUE FEDERAL REVENUE IMPORT LEAKAGE	TOTAL PRIMARY	FACTOR INCOMES GROSS DOM. PROD.	

MODEL 1 NEWFOUNDLAND, 1965 - INPUTS AND DEMAND FLOWS B, D, E (\$'000)

		SAWMILLS, WOOD PR	PULP-PAPER & PROD	PRINTING	METAL FABRIC.	MACH. & EQUIPT.	TRANSP. EQUIPT.	NONMET. MINERAL PR	PETR, FERT, PAINT, SOAP		MISC. MANUF.
		Π	12	13	14	10	16	17	100	19	20
(1110 4	208832	1 1	1 1	1 1	101	1 "	1 1	; ;	50.7
1 m =	PRIMARY FISH		7:00077			1		?			1
4 v		! !	87.2		3.7	! !	1	349.7		f n	1 1
10	MEAT, DAIRY, FRUIT	1 1	1 1	1 1		; ;	1 1	104	1 1		1 1
- oc (8	3	1	ğ .	1	*		1	8	2 6
0 =	S.DRINK, DIST, BREW		101	2.6	1 1	! !		1 1	1 1	1 1	116.9
= :		454.5	0.1		14.6	1	5.5	1 /40	170	ţ	25.8
2 "		11.2	1033.4	108.2	4.5	1 3	1 1	7.46./	20.6	1 1	0.0
4	FABRIC, METAL PROD	5.1	1038.9	6.3	266.6	8.66	8.7	58.3	121.7	: :	10.5
91					4.4	4 4	8.1			3 6	1
1 8		143.1	2690.4	39.3	38.5	6.8	7.0	706.4	212.8	: :	13.7
19		1 1	7	1 1	1 1	; ;	; !	1 1	1 1	: :	1 1
21		40.1	,	5.7	20.3	5.5	31.2	73.6	20.0	å g	1 2 4
22		344.5	2404.6	34.8	32.4	11.6	0.80	14.2	11.9	! }	
24	E.POWER, WATE	80.2	2817.7	28.9	189.1	10.6	4.1	131.8	135.5	: :	4.4
26		12.2	10.8	4.1	5.4	28.1	1001	6.5	1.5		1.3
28		0.11.2	0.202	C.1.C	7.011	†*:0C	10.0	7:00	C.17	: :	10.01
30		2.3	0 1 N	1.5	5.4	1.3	0.1	100	0.0	: !	0.3
3	B	8.10	0.190	24.0	1.77	0.61	5.1	0.10	7.50	!	0.21
32	TOTAL INTERINPUT	2930.9	34043.0	755.1	1250.5	415.5	105.2	2964.4	1701.7	:	304.7
33	TAXES	39.7	220.2	38.2	9.601	67.4	∞: ;	76.7	41.9	; ;	19.4
35	NON-COMP. IMPORTS.	159.4	2260.7	268.9	1700.2	201.6	31.0	20.2	6327.4		61.3
36	WAGES & SALARIES	1221.9	20444.9	1801.3	1346.6	524.4	182.6	2242.6	880.0	1 1	239.4
38	PROFIT, RENT, INT.	-82.6	13758.5	972.0	194.8	395.9	-13.6	888.9	975.8	1	-25.3
39	DEPRECIATION HOUSEHOLD INCOME	134.1	4500.0 20468.7	2438.2	138.0	803.8	15.3	2650.9	1570.3	1 1	19.2 223.1
14	EDUCATION & HOSP	10	70176	0 07	376	- 24	1	12021		1	1 7
43	MUNICIPAL REVENUE	30.4	00.	26.4	37.3	26.5	1.8	12.2	19.2	1 1 1 1	11.0
44	FEDERAL REVENUEIMPORT LEAKAGE	5.6	3346.5	219.0 424.9	114.1	89.2 201.6	31.0	203.7	240.4 6327.4	1 1	7.0
46	TOTAL PRIMARY	1645.9	41184.3	3223.0	3489.2	1257.5	235.1	3812.3	8314.9	;	323.0
47	FACTOR INCOMES	1312.7	34203.4	2880.2	1541.4	920.3	169.0	3141.0	1855.8	1	223.1
46	EMPLOYMENT	367.0	2995.0	458.0	315.0	104.0	51.0	465.0	179.0	9 4	63.0
20	TOTAL OUTPUT	4576.8	75227.2	3978.1	4739.7	1673.0	340.3	6776.7	10016.6	:	627.7

MODEL 1 NEWFOUNDLAND, 1965 - INPUTS AND DEMAND FLOWS B, D, E (\$'000)

NAL		1	1 1	: :	100	80.0	8.0	1	8.4	8.4	20.6	31.0	E 6	27.0	1 9	0.44	150.5	14.1	101.0	53.0	0.929.0	1 1	125.0	59.5	80.0	1	533.5	23.5	3405.8	830.0		90.0	425.5	55.5	7202.5	5759.0	7500.0	19962.0
PERSONAL SERVICES	30															-	1 4				\$		1	27			50	02	34	152	701		4	^	172	157	75	100
HOTELS, REST.	29	8 8		1	1	: :	1 1	1	12050	7.5	76.7	800.0	8 8	6.666	100	7.77	817.6	144.5	332.5	106.8	945.5	1 1	333.3	6850.5	798.4	1	472.5	1676 5	819.0	837.9		389.9	75.00	080./	7284.5	5175.7	2000.0	14135.0
DWELLING SERVICES	28	*	0 8	;	*	1 1	1	:		1	1	1 1	;	1 1	1	10500	0.0001	1	\$ · ·	1 1	498.6	: :	\$ 3 9 9	10998.6	1575.0	. · · · · · · · · · · · · · · · · · · ·	Į.	; ;	14861.9	121611	# 1 2	15750		2 / 00.8	28320.1	14861.9	1.02502	39318.7
FINANCE, R.E.	27	!	1 1	:	!	; ;	1	1	108.7	1	247.0	968.3	ţ	12.1	}	2177	1328.8	463.6	173.0	3.0	3744.7	1 :	33.7	8573.1	3409.7	!	3080.0	0.1007	12265.2	116353	1	2341.7	2924.0	10103.0	30,397.1	21653.0	1400.0	38970.2
AUTO	26	1	8 6 8 8	;	1	: :	1	1	: :	1	100	158.1	:	44.2	3 8	237.1	7	165.1	63.2	: 1	3392.2	1	126.4	4213.2	3834.8	# 0	8535.0	3500.0	3637.8	14352.6	2 1 2	4213.3	1237.0	0.474.0	29991.4	16357.1	3000.0	34204.6
DISTRIBUTN	25	3.4	* *	:	1	: :		8 7	89.2	340.2	1 7 1	1106.7	;	572.6	8 0	4273	11484.0	1357.0	321.2 330 ×	9: 1	5605.3	1	287.6	25150.1	466.7	4 0	1244.2	14767.4	11806.9	65084.3	1 1	1513.5	3707.0	3004.2	76.326.7	72354.8	17500.0	101476.8
ELEC.POWER WATER,GAS	24	1	1 1	:	1	: :	1	8	: :	8	7.2	85.0	;	974.3	† 6	15070	525.5	55.0	86.0	20.0	5.66	1 1	35.0	3747.1	431.9	0 0	184.7	0.000	12544.0	45582		1043.5	2634.9	0.0100	22500.6	16447.0	836.0	26247.7
RADIO,TEL, TELEG.	23	1	1 1	- 1	4 1	* 1	1	1 0	17.3		103.7	93.6	:	0.0	8 8	0 70	903.5	302.3	45.8 77 ×	36.2	111.5	1 1	15.0	2208.1	244.3	8 8	671.8	7/10.7	-1498.3	9574.9		75.0	156.6	-034.3	10492.7	8218.6	1755.0	12700.8
TRANSP.	22	1	8 9	:	29.5	1 1	1 1	* 6	18.2	53.0	23.2	4.00	5774.0	6594.6	1 7	11860	5527.9	834.0	22959	7397.7	6848.1	3073.0	248.6	41935.6	3314.7	-12350.0	1099.5	4353.6	12361.2	59867.4		4559.1		2307.1	76127.4	71227.6	12470.0	118063.0
CON- STRUCTION	21	46.1	1 1	;	2901.0	1 8	0 0	* (16307.4	440.3	110346	4146.8	8 1	14389.4 2494.6	8 6	: 009	13123.5	186.0	0.711 7 697×	2305.0	9535.0		62.0	87713.3	5845.1		17879.5		8966.0	3950.0		5388.0	25	C.444.7	98592.6	70918.0	13380.0	186305.9
		AGRIC. PRODUCTS	FORESTRY PRODUCIS		NONMETAL, QUARRIES	MEAL, DAIRY, FRUIT	MISC. FOOD PROD.	DIST, BREW	SAWMIT WOOD PROD	PULP-PAPER & PROD	PRINTING	MACH. & EQUIPT.	TRANSP. EQUIPT.	NONMET.MINERAL PR.	Coun Ca	MISC. MFG. FROD.	TRANSP, TRAVEL, ENT	RADIO, TEL, TELEG.	E.POWER, WATER, GAS	AUTO OPERATION	FINANCE, R.E.	HOTELS, REST.	PERSONAL SERVICES	TOTAL INTER.INPUT	# # # # # # # # # # # # # # # # # # #	ES	NON-COMP. IMPORTS	WACES & SALARIES	PROFIT, RENT, INT.	DIPRICIATION HOUSEHOLD INCOME	TION & HOSP	PROVINCIAL REVENUE	AL REVENUE	IMPORT LEARAGE	TOTAL PRIMARY	FACTOR INCOMES	EMPLOYMENT	TOTAL OUTPUT
		AGRIC. F	FORESTE	METALS	NONME	MEAI, DA	MISC. FC	S.DRINK	SAWMII	PULP-PA	PRINTIN	MACH.	TRANSP	NONME PETR, FE	2000	MISC. M	TRANSP	RADIO,1	E.POWER, WATE	AUTO 0	FINANCE.R.E.	HOTELS	PERSON	TOTA	TAXES	SUBSIDIES.	NOZ-COZ	CZZZZ	PROFIT	HOUSE	EDUCA	PROVIN	FEDER	IMPOR	1014	FACTO	EMPLO	TOTA

MODEL 1 NEWFOUNDLAND, 1965 - INPUTS AND DEMAND FLOWS B, D, E (\$'000)

HOSPITAL	40	370.7	1 1	1277.3	213.5	110.7	213.0	253.8	0.089	6.929	1 1	6643.0	67.1	819.6	232.0	1 V V V V	108.6	13482.0	;	3103.0	15697.0	165.0	15697.0	1 1	1	3268.0	18965.0	15862.0 15862.0 5500.0	32447.0
EDUCATION	39	1 1	: :	8 8 8 8	1 1	; ;	159.0	898.0	881.0	585.0	20.0	6330.0	51.0	415.0	225.0	55.0	79.0	11386.0	:	1495.0	21822.0	2781.0	21822.0	1 1	1	4276.0	26098.0	24603.0 24603.0 7500.0	37484.0
MUNICIPAL GOVT.	38	15.0 29.0	; ;	300.0	0.9	30.0	40.0	0.001	1106.0	165.0	30.0	5977.0	70.0	201.0	255.0	: :	150.0	10514.0	;	593.0	2750.0	1062.0	2750.0	: :	1	1655.0	4405.0	3812.0 3812.0 550.0	14919.0
PROVINCIAL GOVT.	37	29.0	1 1	86.0	48.0	150.0	170.0	550.0	0.02	0.709	20.0	43796.0	244.0	401.0	200.0	1 10001	1021.0	53017.2	1	1500.0	16411.6	11219.0	19730.6	1 1	•	9400.0	29130.6	27630.6 27630.6 2850.0	82147.8
FED. GOVT. CIVIL	36	9.2	1 1	29.6	6.3	14.4	35.4	5.7	71.0	10014.0 46.3 188.2	1 1	12676.0	145.6	478.5	153.6	1 1001	437.0	26063.9	;	352.1	21654.0	\$ @	21654.0	1 1	1	352.1	22006.1	21654.0 21654.0 4000.0	48070.0
FED. GOVT. DEFENCE	35	1 1	: :	67.6	11.2	171.2	8.6	5 4 5 t	: :	2.6	1 1	1507.0	160.0	98.0	1/0.4	: :	204.4	2627.1	;	158.9	7241.0	1	7241.0	: :	1	158.9	7399.9	7241.0 7241.0 1300.0	10027.0
INVENTORY	34	-527.0	5466.5	-318.0	345.0	-42.2	152.8	-2.7	45.6	-143.3	6.4	1 1		! !	: :	* * *	: :	5576.2	;	: :	: :	1	: :	: :	+	: :	:	: : :	5576.2
CAPITAL FORMATION	33	1 1	: :	1 1	: :	: :	1	1 1 9	39813.0	515.0	1 1	88441.1		: :	: :	: :	: :	128584.1	:	: :	: :	1	: :	: :	1	: :	:	: : :	128584.1
PERSONAL CONS.	32	14827.0 451.8	2297.0	193.2	2958.7	13360.2	4850.0	2048.5	0	183/8.0	584 3	264750	4240.9	80053.0	2935.6	11007.0	9.689	385587.6	68278.6	52926.5	: :	3 8	1 1	3283.9	1377.4	52926.5	121205.1	68278.6	506792.8
BUSINESS SERVICES	31	1 1	1 1	: :	e e e	0 8 8 0	1 1 4	1732.5	86.2	208	144.0	202	2802.0	137.3	389.5	1 15	5.0	5855.0	140.4	438.2	3825.2	2167.4	6658.1	152.4		1219.0	8398.3	7792.6 7960.1 940.0	14253.3
										16 TRANSP. EQUIPT						B DWELLING SERVICES		32 TOTAL INTER.INPUT		34 SUBSIDIES	6 WAGES & SALARIES					4 FEDERAL REVENUE	46 TOTAL PRIMARY	47 FACTOR INCOMES	50 TOTAL OUTPUT

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TOTAL	90	18288.6 26609.8 28698.0 153111.2	17289.8	44199.5	13387.3	26172.8	6571.5	72120.7	15938.1	12047	186305.9	12700.8	26247.6	34204.6	40531.2	14135.0	19962.0	1307461.0	97595.1	-13700.7	408021.6	44347.5	65677.4	501695.3	61604.1	7971.0	201855.9	887861.8	618235.8	767807.8	2195319.0
TOTAL INTER.DEM.	49	1384.8 21995.8 20401.0	4176.2	317.8	69.3	19812.3	2718.2	28845.2	15234.5	5440	20935.9	7722.2	17110.2	12134.7	36530.0	3073.0	1245.8	359588.9	29316.4	-13700.7	322446.1	44347.5	65677.4	412800.7	27986.7	6593.6	12/74.2	658652.1	517433.3	98726.6	1018241.7
TOTAL	48	1652.9 4660.2 6000.0 147644.7	12938.4	40422.0	120.0	730.5		8 8	800.6	: :	7 30000	4.0893.4	1	; ;	1	! !	1127.5	311037.1	1	;	1 1	0 0	1	8 8	: :	1	: :	1	å	1 1	311037.1
EXPORTS- NFLD.	47	1111	: :	: :	: :	: :	1 1	*	1 1 1	8 1	1	6 6 2 6	*	: :	1	5 G	: :	:	1	:	1	1	1	1 8	: :	1	1 1		8 8	: :	1
EXPORTS- P.E.I.	46	1111	: :	: :	: :	: :	1 1	:	9.1	9 1	1	! !	1		1	! !	: :	22.7	1	;		8 8	1 1	1	: :	0 0	: :	•	;	; ;	22.7
EXPORTS- · N.B.	45	1111	! !	16.5	: 1	1 1	5 E	:	6.1	! !	1	1 1	\$ 6		1	1 1	1 1	88.9	1	;	1 1	8 1	1 1	2 0	: :	1	: :	8 0	:	d 0	88.9
EXPORTS- N.S.	44	70.0		300.0	1 1	3.8		:	785.4	8		1 1	8	: :	;	0 8	: :	9343.6	1	1		b 5	8 4 5	8 0	: :	1	: :	:	:	a 2 3 3	9343.6
EXPORTS- CANADA	43	1234.9	11780.9	1537.0	1200	325.6	1 0 1 0	1	1 1 1	8 1	1 1 0 7 0 7	2405.0	•	1 1	:	1 1	1127.5	42275.4	1		1	1	1 1	\$ 6	: :	8 8	1 1	*	*	8 6 6 8	42275.4
EXPORTS. FOREIGN	42	348.0 4660.2 122282.4	1157.5	38585.0	: :	73379.8			1 6 8	1	1 1 0	18490.4	1	!!	1	1 3 0 9	: :	259306.6	1	1	1 1	1 0	1 1	•	: :	9 0	: :	:	d p	: :	259306.6
TOTAL DOM. FINAL DEM.	41	15250.9 -46.2 2297.0 5466.5	175.2	3459.7	13318.0	5630.0	3853.3	43275.6	-97.0	29	165370.1	44052.4	9137.5	82466.1 22069.9	4001.2	11062.0	18716.2 2689.6	636837.9	68278.6	2 00100	85575.6		0.72261		336174		30000.0	229209.6	100802.6	169081.2	866047.5
<u> </u>		AGRIC, PRODUCTS	NONMETAL, QUARRIES	SEC. FISH PRODUCTS	S.DRINK, DIST, BREW	SAWMILL, WOOD PROD	PRINTING METAL PROD	MACH. & EQUIPT.	NONMET. BOULD PETER FERT PNT SOAP	GOGG SAM SAM	CONSTRUCTION	TRANSP, I RAVEL, EN I	ER,GAS	DISTRIBUTION AUTO OPERATION	FINANCE, R.E.	DWELLING SERVICES	PERSONAL SERVICES	TOTAL INTER.INPUT					DEPRECIATION		EDUCATION & HOSP		FEDERAL REVENUE	TOTAL PRIMARY		GROSS DOM. PROD.	TOTAL OUTPUT
		-267	200) r 00	000	2=2	13	12	0 1 0	19	21	22	24	25	27	28	30	32	33	34	36	37	3000	40	41	43	44	46	47	4 4 8 4 9 4 9 4 9 4 9 4 9 9 9 9 9 9 9 9	50

MODEL 1 P.E.I., 1965 - OUTPUT AND SUPPLY FLOWS J.M (\$'000)

	PRODUCTS	PRODUCTS	FISH	QUARRIES	& FRUIT	PRODUCTS	PRODUCTS	DIST, BREW	CLOTHING	WOOD PR
	-	7	m	A.	W.	49	1	c 0	6	10
AGRICIII TIIRE	38917.0	1058.0	!	1	}	1	i	1	1	i
2 FORESTRY	:	100.0		1	E B	1 5))	1	1	1
	1	u :	7083.0	i t	1 2	1 1	;	;	1	i
I NONMETAL, QUARRIES	;	;	!	632.8	1	1 1	-	1	1	i
	1	;	1	1	24816.2	} !	6.2	t 1	1	i
	1	;	;	1	3.3	6813.7	1	1	1	i
MISC, FOODS, NES	1	1	1	}	!	1	2218.4	1 0	}	i
	1	1 2	\$?	!	•	:	;	867.2	1 0	;
TEXTILES, CLOTHING	1	1	1	}	}	1	:	1	1870.5	1 .
	}	:	;	1	;	***	-	}	1	630.1
PULP-PAPER, PRINT.	!	!	1	;	1	1	}	1	1	i
	1	1	*	;	1	4 4	1	1	!	
METAL, MACH, IRANSP	1	1	1	1 3	;	1	*	1		•
	1	1	1	:	!	:	;	1	1	,
	:	:	1	:	5 1	1	4 1	1	!	•
CEDT DAINT COAD	1	:	1 1	}	;	: :	: 1	()	; ;	
			: ;		: :	: :	1			
NOITOITALSNOO	1 1	1 1	1	;	;	1	;	1	1	•
	1	:	1	* 1	1	;	;	•		•
	1	;	1	;	:	1	1	1	;	,
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	1	}	}	;	!	:	1	:	:	
	•	1	:	1	1	•	;	:	1	1
HOTELS, REST.	1	1	1	;	!	!	1	1	!	-
	! !	1 1	1 1		: :	! !	! !		1 1	, ,
30 TOTAL OUTPUT	38917.0	1158.0	7083.0	632.8	24819.5	6813.7	2224.6	867.2	1870.5	630.1
	12.5	;	;	200.0	120.3	41.0	650.7	744.0	396.0	543.2
IMPORTS - NB	257.0	*	1 1	241.3	737.1	20.0	3089.8	1	100.0	186.
	1	1	}	1	:	1	1	1	1	•
IMPORTS - NFLD	33587	: 1	: :	1 1	25635	331	35766	14277	5097 4	4606 9
36 TOTAL IMPORTS	3627.7	1	:	441.3	3420.9	64.3	7317.1	2171.7	5593.4	5336.4
TOTAL SUPPLY	42544.7	1158.0	7083.0	1074.1	28240.4	6878.0	9541.7	3038.9	7463.9	5966.5
	0	6	6							
38 TOTAL DOM.FIN.DEM	4251.7	505.0	3803.0	140.7	3304.6	1445.1	5557.6	2946.7	5730.5	932.9
TOTAL EXPORTS	252/5.5	5 /0.3	7/91.0	1	12301.6	5133.0		1		•
TOTAL DEMAND	T KASCK	1158 A	70830	10741	78740 7	08789	05417	2018 0	7463 0	2 7 7 7 7

MODEL 1 P.E.I., 1965 - OUTPUT AND SUPPLY FLOWS J.M (\$'000)

CON- TRANSP. STRUCTION TRAVEL, ENT	19 20	0 0 1	1	0 0	:	:	;	:	:	:	**		:		:		88	4 C E	39160.0	19099,4	1	:	-	4 1 1	1	:	# S	0 0 0 0 0 0		39100.0 19099.4	;	1	8 8	6 0	† :		39160.0 19099.4	4467.4 12271.3		20160.0 10000.0
8	18	1	!	!	:	!	:	Í	!	0 0	1	1		P P	e o	:	2 1	: 1	8 2	0 1	:	1		:	d t	1 0		! !		1	:	:	!	8 1	: :	ł	0	8	1 1	
EERT.PAINT & SOAP PR.	17	8 8	;	:		;	:	1	1	0 0	1		8 8	1	:	1	7878 4	1:0707	8 0	8 0	1	1	s 1	1	6 2	P .	:	2 2	7 0000	79797	449.4	1541.4	1 1	13.6	2.000	0.7.0.7.2	5388.0	4270.2	542.9	0 0002
NONMET.MIN MISC.MANUF	16	1	i	1	1	1	1	;	1	1	0.0	1	1	l l	:	2070	6.700		1	8 8	*	1	# #	1	NG 00	!	t :	: :	0 100	507.9	272.5	465.9	1 .	9.1	38479	100	4155.8	3880,3	267.1	41550
ŽΣ	15	1	;	:		:	8 0	†	1	8 8	8	1		1	:	!	6 1	1	0 0	6 8	:		:	!	0 0		\$ *	; ;		:	;	!	!	1	: :	}	0 0	1 1	1 1	
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METAL, MACH TRANSP.EQ.	13	1	1	1	\$ E	1	}	:	:	1	1	:		2461.1	1	;	9 1		***	1	1	:	:	1	ŀ	8 2	ē :	1	0.464.4	7401.1	1078.4	715.5	1	1 4	28625.4	20417.3	32880.4	9336.7	23328.9	100011
ME	12	đ S	8 0	:	1	:	;	0	!	1	8 8	į	}	1	:	ì	2 1			1	:	1	3 3	5 8	Ø 8	1 1	!	t 5		:	;		9 0	1	1		1	1	å 8 5 0	
&PULP-PAPER &PR.PRINT.	11	i i	8 6	1	1	į	# 2	:	1	:	1	1672.2	1	:	!	:	1	: 1	}	1 1	1	\$ *	3 1	8 8	# 4	0 0	:	1 1	6	16/2.2	279.0	441.6	1	3 4	15/9.1	1.77.1	3971.9	2521.7	1450.2	2071.0
PU.		AGRICULTURE	FORESTRY	PRIMARY FISHING	NONMETAL, QUARRIES	MEAT, DAIRY, FRUIT	SECONDARY FISHING	MISC. FOODS, NES	S.DRINK, DIST, BREW	TEXTILES, CLOTHING	SAWMILLS, WOOD PR.	PULP-PAPER, PRINT		METAL, MACH, IRANSP		Carriage Edition	NONMEL MIN, MOC.MIG	LENT ALVINOR IN TOTAL	CONSTRUCTION	TRANSP, TRAVEL, ENT.	RADIO, TEL, TELEG	E.POWER, WATER, GAS	DISTRIBUTION	AUTO OPERATION	FINANCE, R.E.	DWELLING SERVICES	HOTELS, KEST.	RESOLVAL SERVICES		TOTAL OUTPUT	IMPORTS - NS	IMPORTS - NB	IMPORTS - PEI	IMPORTS - NFLD	IMPORTS - RES	IOIAL IMPORIS	TOTAL SUPPLY	TOTAL INTER.DEM	TOTAL DOM.FIN.DEM	

MODEL 1 P.E.L., 1965 - OUTPUT AND SUPPLY FLOWS J.M (\$'000)

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MODEL 1 P.E.L., 1965 - INPUTS AND DEMAND FLOWS B, D, E (\$'000)

D PR		82.3	1 1	1	1 1	5.9	64.4	17.8	1 }	34.8	1 -	22.7	9.6	0.81	9.7	:	2.2	273.9	6.01	18.7	56.1	27.3	95.3	3.2	31.2	356.2	316.6 337.5 71.0	630.1
SAWMILLS, WOOD PR	10																	7			7		2			60	<i>w w</i>	9
CLOTHING CLOTHING	6	22.9	1 1		1 :	10.2	2.5	9.2	* !	1 1	11.2	114.5	10.1	3.6	26.5		22.1	335.1	73.3	950.5	241.3	223.2	416.8	22.4	122.6 950.5	1535.4	493.5 584.9 92.0	1870.5
S.DRINKS, DIST,BREW	œ	1 2 1	1 1	1	131.5	65.6	1 :	11.0	: :	11.2	1 52	33.3	5.0	28.4	18.1	100	25.5	337.7	42.9	50.9	201.9	32.4	274.0	20.0	80.4 114.9	529.5	403.3 478.6 54.0	867.2
MISC. FOODS,NES	7	190.8	5.6	81.6	230.6	26.6 34.2	11.2	17.3	1 1	: :	000	143.2	24.2	0.8	21.6	10	24.9	959.1	21.8	765.8	76.0	30.00	375.5	7.7	19.0	1259.3	414.3 493.5 99.0	2218.4
FISHING	9	0.4	3803.0	11.2	: :	3.4	21.6	176.2	1 1	3.6	40.0	392.1	65.0	40.1 8.5	135.5	19	101.2	4996.8	36.3	358.7	360.0	130.2	1284.9	28.4	41.2	1820.2	1335.2 1461.5 590.0	6817.0
MEALDAIRY & & FRUIT	ĸ	11438.1	6.9	3179.8	55.0	43.2	34.8	722.1	1 1	12.3	89.7	1327.5	225.3	12.4	294.8	100	117.0	19026.5	143.7	333.8	36.4	1890.1	3675.4	164.1	390.0 1138.7	5795.8	4986.6 5462.0 881.0	24822.2
OUARRIES OUARRIES	4	: 1	: :	•	1 1	: :	1 1	5.0	1 1	1.3	1 1	101.9	0.5	0.0	2.5	* *	: :	113.9	0.2	6.5	377.4	125.5	511.8	0.2	5.0	518.9	516.8 517.0 4.0	632.8
FISHING	€	: :	5.8	10000	0.002	158.0	359,4	721.1	1 1	5.3	7 66	305.3	0:01	88.1	379.6	1	16.0	2552.8	191.6	478.00	1008.7	1332.2	3269.9	191.5	33.7	4530.2	3327.6 4051.4 2000.0	7083.0
FORESTRY	2	: 1	: :	8	: :	1 1	: :	10.0	; ;	1 1	1 1			1 1	: :	1	: :	10.0	:	:	0.06	: :	0.06	1 1	: : :	0.06	90.06	100.0
AGRI- CULTURE	1	1345.0	270.0		3563.0	224.0	36.0 120.0	1827.0	: !	3463.0	12970	1528.0	315.0	1734.0	2429.0	19	427.0	20259.0	551.0	1343.0	12966.0	1466.0	17977.5	-151.5	738.0 1343.0	22447.0	18009.0 21104.0 6550.0	42706.0
		AGRIC. PRODUCTS FORESTRY PRODUCTS	PRIMARY FISH	MEAT, DAIRY, FRUIT	MISC. FOOD PRODUCIS	S.DRINK, DIST, BREW	SAWMILL, WOOD PROD	METAL, MACH, TRANSP		NONMET MIN, MSC. MFG	NOITSTATANOG	TRANSP, TRAVEL, ENT	E.POWER, WATER, GAS	DISTRIBUTION	FINANCE, R.E.	HOTELS, REST.	BUSINESS SERVICES	TOTAL INTER.INPUT	TAXES	NON-COMP. IMPORTS.	WAGES & SALARIES	PROFIT, RENT, INT.	HOUSEHOLD INCOME	PROVINCIAL REVENUE	MUNICIFAL KEVENUE	TOTAL PRIMARY	FACTOR INCOMES GROSS DOM. PROD. EMPLOYMENT.	TOTAL OUTPUT
									14	16 NONMET								30 TOTA	TAXES						41 MUNICA 42 FEDERA 43 IMPORT			45 FACTOR 46 GROSS 47 EMPLO

MODEL 1 P.E.L., 1965 - INPUTS AND DEMAND FLOWS B, D, E (\$'000)

		PULP-PAPER &PR.PRINT.		METAL,MACH TRANSP.EQ.		ZŽ	NONMET.MIN I	FERT, PAINT & SOAP		CON- STRUCTION	TRANSP, TRAVEL,ENT
		11	12	13	14	15	16	17	18	19	20
-	AGRIC. PRODUCTS	1	6	1	1		6.5	1	8 8	13.4	1
7 0		1	1			1	:		1 1	1	; ;
o 4	NONMETAL, QUARRIES	1 1	1 0	1 1	t t	1 1	4.3	13.7		610.9	4.2
S V		-	1 0	# 6	!	!	1	1	1	1	
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~ 00		1 1	1	1 1	1	}	} }	1 9	1	1 1	1
00		0.3	1	13.7	1		1	1	1	57.6	8.5
10	SAWMILL, WOOD PRO	1 9	:	9.705	;	1	į .	1 0	9 6	3835.2	5.6
	PULP-PAPER, PRINT	176.5	!	1	1	:	 	158.9	!	104.5	8.6
13	METAL MACH TRANSP.	23.9		115.2	1 1	1 1	3.6	29.4	1 1	3447.3	1285.7
14		1	1		1	1	4 8		3 1	1	
15		1	1	1	;	-	1 7	-	1	100	1 4
9 1	NONMET MIN, MSC. MFG	4 1	:	138.1	1	1 1	31.4	322 3	8 4	3374.8	2.5
00		1 1	1 1	1.001	;	}	1		1	100	F 1
19		3.0	1	1 2		1	-	14.0	9 9	1	101.0
20		113.3	*	151.3	9 6	1	10.9	217.7	ŀ	2701.6	889.0
21	RADIO, IEL, TELEG.	19.0	1	13.1		-	0.9	000	8 0	36.3	186.5
23	DISTRIBITION	30.9	: 1	114.7	: :	: :	. m	106.6	1 1	1997.2	893.6
24		5.9	1	6.0	* *	1	9.0	0.7	;	851.0	1388.4
25		39.9	8 8	45.6	1	!	3.2	60.7	-	1743.0	1354.0
97		1	1 1	1	;	*	1	: 1	; ;	2 1	72.0
787		1.8		1.0			1	0.4	1	9.0	78.5
59		34.2	1	25.2	1	1	2.0	18.9	;	576.0	354.1
30	TOTAL INTER.INPUT	496.1	1	1154.5	1	1	83.5	964.0	:	19578.9	7416.2
31	TAXES	67.2	1	26.0		1	12.5	40.3	;	1149.7	1382.6
32	SUBSIDIES	1	;	:	1	:	1	1	-	1	-2648.0
33	NON-COMP. IMPORTS	198.8	1	387.5	1	1	23.9	1285.8	8	4542.9	1613.9
34	WAGES & SALARIES	626.5	1	882.9	1	1	10/.3	199.0	8	7629.0	7844.8
36	PROFIT RENT INT	225.3	1	-95.7		1 1	37.6	9.691		1359 5	0.00000
37	DEPRECIATION	39.6	:	84.0	}	:	20.1	168.4	1	0.009	3449.9
300	HOUSEHOLD INCOME	736.3	1	790.5	1	8 0	155.7	210.3	4	12504.0	9814.8
39	EDUCATION & HOSP.	16.3	1 1	1 7	1 1	: :	1 4 5	15.8	1 1	0410	12407
41	MINICIPAL REVENITE	40.4	} ;	15.6		1	- F	20.2		0.147	810
42	FEDERAL REVENUE	113.7	1	24.6	1	;	19.1	58.9	1	629.3	-2596.1
43	IMPORT LEAKAGE	229.8	1	387.5	å i		23.9	1390.3	8	4819.8	-316.1
44	TOTAL PRIMARY	1176.1	:	1306.5	1	1	224.4	1864.4	:	19581.1	11683.2
45	FACTOR INCOMES	870.5	;	0.608	:	:	167.9	369.9	!	13288.5	7884.8
46	GROSS DOM. PROD	977.3	1 1	919.0	1 1	: :	200.5	578.6	8 (15038.2	10069.3
	TANK OF TANK OF THE PROPERTY O							2		0.1	0:000
48	TOTAL OUTPUT	1672.2	1	2461.0	•	t	307.9	2828.4	•	39160.0	19099.4

MODEL 1 P.E.I., 1965 - INPUTS AND DEMAND FLOWS B, D, E (\$'000)

PERSONAL CONS.	30	6790.4 500.0 489.0 50.7 11866.9 1322.4 5478.1 5584.9	5331.5 5331.5 	3519.0 1624.6 1624.6 19033.9 7911.3 613.5 12783.5 2952.0 6778.9	18890.6	829.9 8829.4 458.7 8772.6 10551.8	18890.6	129325.1
BUSINESS SERVICES	29		16.0	138.0 571.4 38.0 54.0 181.0	68.0 -52.0 144.0 445.0 650.0 414.7	1289.4 15.9 2.0 26.3 336.1	1509.7 1563.7 700.0	3776.9
PERSONAL	28	32.0	29.0	60.0 202.2 64.1 64.1 77.4 7.7 390.7 28.5	206.2 2083.3 2400.0 1291.0	5686.8 18.5 40.0 89.0 206.2	6175.5 5774.3 5969.3 2500.0	7321.3
HOTELS, REST.	27	111111111111111111111111111111111111111	65.0	247.9 247.9 71.8 204.7 805.5 207.7 73.5 108.1	117.1 128.4 929.7 935.4 321.6	2084.5 63.2 57.5 28.4 198.6	2186.7 2446.6 700.0	3710.0
DWELLING SERVICES	76				3334.0	1808.0	3334.0 8074.8 8074.8	10052.5
FINANCE, R.E.	25	1111111100	365.4	280.7 170.2 86.6 18.4 12.5 1004.2 1004.2 8.2 8.2 96.2	555.1 2934.0 4141.0	3439.2 327.2 519.1 748.4 3443.9	9632.9 7075.0 9077.8 600.0	11775.9
AUTO	24		82.0	125.5 503.3 60.6 25.1 1013.9	1235.7 4195.0 1227.9 2000.0 975.6	3512.9 1160.6 123.1 297.0 4540.6	4203.5 6101.2 1000.0	12258.9
DISTRIBUTN	23	0.8	298.7	133.7 2595.8 305.1 338.9 368.3 1093.6 71.8	371.7 860.4 8125.3 5497.2 3507.4	315.5 320.2 977.6 1843.9	19779.9 17129.9 18919.5 4400.0	26019.3
ELEC.POWER WATER.GAS	22		50.00	306.0 1441. 11.4 11.4 33.5 5.0 5.0 5.0 5.0 18.0	16.7 728.4 1003.3 1194.9	1448.4 56.0 16.0 263.5 1159.4	2198.2 2854.9 204.0	4247.9
RADIO,TEL, TELEG.	21	11111116	0.100	157.5 217.6 25.0 25.0 7.9 11.8 7.7 210.1 10.0 64.4	294.5 1340.4 1340.4 537.5	young	2824.4 1877.9 2529.9 470.0	3670.8
			12 METAL, MACH, TRANSP	18 20 TRANSP.TRAVEL, ENT 21 RADIO, TEL, TELEG. 22 E-POWER, WATER, GAS 23 DISTRIBUTION	11 TAXES	HOUSEHOLD INCOME EDUCATION & HOSP. PROVINCIAL REVENU MUNICIPAL REVENUE FEDERAL REVENUE	E G E	48 TOTAL OUTPUT

MODEL 1 P.E.I., 1965 - INPUTS AND DEMAND FLOWS B, D, E (\$'000)

		CAPITAL FORMATION	INVENTORY	FED. GOVT. DEFENCE	FED. GOVT. CIVIL	PROVINCIAL GOVT.	MUNICIPAL GOVT.	EDUCATION	HOSPITAL	TOTAL DOM. FINAL DEM.	EXPORTS- FOREIGN
		31	32	33	34	35	36	37	38	39	40
2	AGRIC. PRODUCTSFORESTRY PRODUCTS	: .	-2732.0	: :	5.2	64.6	12.0	1 1	111.5	4251.7	5591.0 570.3
w 4	PRIMARY FISH	1 1	1 1	1 1	1 1	* !	90.06	1 1	} 1	140.7	1 1
19	MEAT, DAIRY, FRUIT		298.5	95.0	33.3	64.3	11.0	1	265.0	12634.0	65.0
7	MISC, FOOD PRODUCIS		102.0	1 1	3.4	13.0	1.0	1 1	62.0		5,0004
00 0	S.DRINK, DIST, BREW	1	-1.4	: :	22	7.0	18.0	1.0	40.6		: :
10	SAWMILL, WOOD PROD	: .	7.00	13.3	5.0	2 1 0	10.0	109.0	90.3		1
11	PULP-PAPER, PRINT	:	5.6	0.01	4.0	0.08	15.0	213.0	0.47		: :
23	METAL, MACH, TRANSP	14520.0	2.6	433.5	1860.3	603.0	255.0	0.69	254.0	23328.9	8 8
1 5		1 1	: :	0 2	8 S S	1 1	# # 9 F	1	!!		! !
16	NONMET MIN, MSC. MFG	1 1	-0.3	1 1	0.1	11.0	10.0	4.0 24.0	15.0	267.1 542.9	: :
000				0.1530	07616		7400	10160	0 636		;
20	TRANSP, TRAVEL, ENT		1 :	170.6	420.1	1653.0	500.0	390.0	174.8	6827.5	: :
21	RADIO, TEL, TELEG.	1 1	: :	340.3	222.5 34.55	80.0	184.0	36.0	20.1		: :
23	DISTRIBUTION	!	1	75.9	208.6	95.0	95.0	122.0	129.6		!
24	AUTO OPERATION FINANCE.R.E		1 1	26.9	34.4	134.0	39.0	0.06	77.9		: :
26	DWELLING SERVICES	!	1	1	;	:	•	10	1	12783.5	;
28	HOTELS, REST. PERSONAL SERVICES	: :	: :	28.0	13.7	36.0	1 1 6	0.00	68.9		: :
67	BUSINESS SERVICES		1	31.1	41./	141.1	0.00	0.00	01.0		:
30	TOTAL INTERINPUT	30891.6	-2290.5	3955.3	4838.1	15079.0	1642.0	2315.0	1943.1	158256.2	10226.8
31	TAXES	1	1	:	:	:	1	I	•	9.06881	1
33	NON-COMP. IMPORTS		2 d	7.37.7	226.9	465.0	380.0	579.0	1032.7		: :
34	WAGES & SALARIES	1	8 8	8500.0	6339.0	3708.0	791.0	5542.0	3097.0	27977.0	1
36	PROFIT, RENT, INT.	: :	1 1	1 1	! !	29999.0	472.0	904.0	91.0	4466.0	: :
37	DEPRECIATION		1	0.0058		0.7070	7910	5542.0	30970	78976.0	: :
39	EDUCATION & HOSP	1	1	2 1	1					1	;
40	PROVINCIAL REVENUE	1	1	P	4	3 9	1	1		8829.4	}
4 1	MUNICIPAL KEVENUE	: :	: :	; ;	: :	1 1	1 1	1 1	1 1	8772.6	: :
43	IMPORT LEAKAGE		:	737.7	226.9	2465.0	852.0	1483.0	1123.7		;
44	TOTAL PRIMARY	1	:	9237.7	62929	7172.0	1643.0	7025.0	4220.7	65306.7	1
45	FACTOR INCOMES	: :	* 1	8500.0	6339.0	6707.0	1263.0	6446.0	3188.0	32443.0	; ;
47	EMPLOYMENT	1	:	1400.0	1200.0	800.0	240.0	1400.0	1500.0		;
48	TOTAL OUTPUT	30891.6	-2290.5	13193.0	11404.0	22251.0	3285.0	9340.0	6163.8	223562.7	10226.8

MODEL 1 P.E.I., 1965 - INPUTS AND DEMAND FLOWS B, D, E (\$'000)

TOTAL	84	42544.7 1158.0 7083.0	28240.2 6878.0	3038.9 7463.9	5966.5 3971.9	32880.3	1 1	4155.8 5388.0	39160.0	3670.8	4247.5	12258.9	12783 5	3710.0	7321.3	303206.9	27235.7	33440.0	72835.9	33176.2	16662.7	117610.9	829.9	4306.0	9512.5	204674.1	131015.4	171234.2	507880.8
TOTAL INTER.DEM.	47	13017.5 82.7 3803.0	3304.6 299.9	3984.1 92.2 750.5	5033.6	9336.7	8 1 9 5	3880.3	4467.4	1782.6	1656.2	4134.7	10/63.4	723.0	384.4 2989.1	96741.4	8345.1	19466.9	44859.0	33176.2	16662.7	88634.9	45055	3847.3	739.9	139367.5	98572.4	119900.6	236108.8
TOTAL	46	25275.5 570.3 2791.0	12301.6	982.9	1 1	214.7	1 1	574.9	: :	1 1	1 1	8	1 1	1	357.2	48209.5	!	: :	1	*	: :	1	; ;	:	: :	1	;	1 1	48209.5
EXPORTS- NFLD.	45	1721.3	3202.3	157.7	1 1	50.5	: :	: :	1 1	1 1,	1 1	!	: :	1	1 1	5132.3	1	: :	;	:	;	1	; ;	:	1 1	:	:	: :	5132.3
EXPORTS- P.E.I.	44	1 1 1	: : :	5 3 6 8 8 2	1 1	: :	: :	1 1	: :	1 1	! !	8 6	: :	1	1 1	*	* ************************************	: :	!	1	: :	1	: :	:	: :	î	;	: :	1
EXPORTS- N.B.	43	773.0	1230.3	7.407	1 1	67.6	1 1	231.1	: :	: :	8 8 8 8	1	: 1	-	: :	5702.7	:	: :	*		1 8 9	1	: :	1	3 0		!	: :	5702.7
EXPORTS- N.S.	42	5912.0 222.0	5577.1	120.5		9.96	* 1	143.8	: :	: :	1 1	1	: 1	0 0	: :	12520.4	î	: :	9 0	1	: !	1	: :	1	: :	*	;	: :	12520.4
EXPORTS- CANADA	41	11278.2	2226.9 565.0	e e e	: :	: :	1 1	200.0	: :	1 1		!	: 1	*	357.2	14627.3	8 6	: :	8 8	8 :	: :	1	1 1	1	8 8	8	1	f	14627.3
		AGRIC. PRODUCTS	MEATDAIRY, FRUIT	S.DRINK, DIST, BREWTEXTILES, CLOTHING	SAWMILL, WOOD PROD PULP-PAPER, PRINT	METAL, MACH, TRANSP		NONMET MIN, MSC.MFG FERT, PAINT, SOAP	CONSTRUCTION	RADIO, TEL, TELEG.	E.POWER, WATER, GAS	0	DWELLING SERVICES	HOTELS, REST.	PERSONAL SERVICES	TOTAL INTERINPUT		33 NON-COMP IMPORTS					PROVINCIAL REVENUE		FEDERAL REVENUE	TOTAL PRIMARY	FACTOR INCOMES	46 GROSS DOM. PROD.	48 TOTAL OUTPUT

MODEL 1 NOVA SCOTIA, 1965 - OUTPUT AND SUPPLY FLOWS J.M (\$'000)

		AGRIC. PRODUCTS	FORESTRY PRODUCTS	PRIMARY FISH	COAL	NONMETALS, QUARRIES	MEAT,DAIRY & FRUIT	SEC. FISH PRODUCTS	MISC. FOOD PRODUCTS	S.DRINKS, DIST.BREW	TEXTILES, CLOTHING
			7	m	4	w	9	7	90	6	10
-	AGRICULTURE	54108.0	3174.0	9 9	e l	1	*	1	1	4 0	I
7 0	FORESTRY DE	1	1/312.0	49822 0	; ;	1 1	0 1	1 1		:	1 1
J 4	COAL MINING			0:770/1	45486.8		3 0	1 1	1	1	
2	NONMETALOUARRIES	1	1	;	1	23608.4	1	•	1	;	:
9	MEAT, DAIRY, FRUIT	1	}	1	1	1	49947.4	- 00000	5.5	;	1
r 0	SECONDARY FISHING	1	1 0	1	1	1	8.01	2.685.08	348690	: :	5 6
× 0	MISC. FOUDS, NES	:	1 1	: :	1 1	: :	1 1	: :	0.4004.0	17382.8	: :
2 0	TEXTILES CLOTHING	:	;	1		1	1	;	1		26249.1
2 =	SAWMILLS, WOOD PR.	1	296.8	1		š 0	1	•		-	6
12	PULP-PAPER & PR	;	;	}	1	1	}	1	1	1	1
13	PRINTING	*	}	:	;	1	i t	1	1	}	1
4	IRON-STEEL MILLS	:	4 4	3 6	1	:	1	1 1	; ;	: :	: :
2 4	MACH & FOLIPT	: :	; ;	: :	;		. 1	1	1	1	1
17	TRANSP FOUIDT.	!	-	8 8	1	;	1	;	;	1	;
00	ELECTRICAL EO.	;	}	1	1	;	:	1	!	;	1
19	NONMET.MINERAL PR		1	1	;	;	}	* 1	}	;	1
20	PETROLEUM REF	1	1	3 5	1	1	•	;	1	!	:
21	FERT, PAINT, SOAP	:	1	1	1	1	1 5	:	*	:	1
22	MISC. MANUF.	1	1	1	1	:	:	:	:	!	:
23	CONSTRUCTION THE ANALYSIS		:	:	1	;	1	1	*	: !	t
75	IKANSK, IKAVEL, EN I	!	1	*	1 1	: :		: :	1	1	
26	F POWER WATER GAS	1	1		;		1	;	;	1	:
27	DISTRIBUTION	1	1	1	1	;	;	:	1	:	1
28	AUTO OPERATION	1	}	:	1	3 6	-	1	1	:	1
29	FINANCE, R. E.	;	:	1	;	4 0	1	;	1	}	1
30	DWELLING SERVICES	ŧ •	1	1	1	;	:	1	1	1	# 1
31	HOTELS, REST.	;	:	;	}	1 0	1	1	!	1	;
32	PERSONAL SERVICES	1	1	: :	:	1 1	1 1	1 1	;	: :	; ;
23	BUSINESS SENVICES		3								
34	TOTAL OUTPUT	54108.0	20782.8	49822.0	45486.8	23608.4	49963.2	86389.2	34874.5	17382.8	26249.1
35	IMPORTS - NS	1633.9	35.0	85.0	9.6	135.7	5089.6	533.0	9030.5	124.4	1000.0
37	IMPORTS - PEI	5912.0	1	222.0	1	1	5577.1	440.0	:	-	120.5
38	IMPORTS - NFLD	70.0		0.0009		!	* 0	300.0		1 6	1 000
39	IMPORTS - RES TOTAL IMPORTS	16826.0 24441.9	70.8 105.8	6307.0	5630.4 5639.8	135.7	29938.0	1288.8	20821.0	8856.3	48209.4
41	TOTAL SUPPLY	78549.9	20888.6	56129.0	51126.6	23744.1	90567.8	87677.9	64726.0	26363.5	75578.9
4											
4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	TOTAL INTER.DEM. TOTAL DOM.FIN.DEMTOTAL EXPORTS	22458.8 48314.8 7775.7	14151.0 374.1 6363.5	48919.0 1724.0 5486.0	13836.7 11289.7 26000.2	8200.0 1387.5 14156.0	5934.5 78939.7 5694.3	1295.9 9381.1 77001.0	14822.5 41387.6 8515.9	245.3 24756.1 1362.0	7759.3 48162.0 19657.6
16	TOTAL DEMAND	795.40 3	70888	561700	511766	73743 5	00568 4	976779	647759	76363 4	75578 8
0	IOIAL DEMAIND	10347.3	0.00007	20177.0	0.02110	0.01.03	100000		100		0:01:0:0

MODEL 1 NOVA SCOTIA, 1965 - OUTPUT AND SUPPLY FLOWS J.M (\$'000)

SAWMILLS, WOOD PR
11 12 13
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Statement of the statem

MODEL 1 NOVA SCOTIA, 1965 - OUTPUT AND SUPPLY FLOWS J.M (\$'000)

		FERT, PAINT & SOAP PR.	MISC. MFG. PROD.	CON- STRUCTION	TRANSP, TRAVEL, ENT	RADIO,TEL, TELEG.	ELEC.POWER WATER,GAS	DISTRIBUTN	AUTO	FINANCE, R.E.	DWELLING SERVICES
		21	22	23	24	25	26	27	28	29	30
					1	1	1	1	1	;	4957.0
- (AGRICULIURE		1 1		;	}	-	1	;	1	1
1 ~	PRIMARY FISHING	1	:	4 1	!		1	:	1	1	-
4	COAL MINING	•	0.00	!	1	:	*	8	!	*	:
2	NONMETAL, QUARRIES	1	1	9 8	1	1	1	1			1 1
9	MEAT, DAIRY, FRUIT	1	!	1	1	•	:			! !	: !
7	SECONDARY FISHING		£ 0	1	:	1 1	1		1	# 2	1
00	MISC. FOODS, NES	1	1		: :	: :		4	1	:	9 8
0 0	S.DRINK, DIST, BREW		1 1	1	1	1	9 8	!		;	;
0:	SAMMITS WOOD DE		1	1	1	1	:	5 0	1	1	:
1.	DIII D-DADER & PR		1	1	:	1	1	!	1	1	}
3 5	PRING		1		1	1	1	1	1	1	1
4		332.8	1	1	1	1	\$ 6		!		:
15	METAL FABRIC	1	1	8 6	1	:	1	}	1	:	1
91	MACH. & EQUIPT.	1	1	1 5	:	1	8 5		1	!	
17	TRANSP. EQUIPT.	1	1	:	*	1	1	1	3		: 1
18	ELECTRICAL EQ	-	1	Î	4 1	1	1	*	1		
19	NONMET.MINERAL PR	-	!	•	1	:	1 0	1		1 1	
20	PETROLEUM REF		8	!	:	•	4 1	1	1 F		
21	FERT, PAINT, SOAP	. 0490.9	2441.2		1 1			1	4	-	:
77	MISC. MAINUE.		7:14:7	0 988986	;	}	1 0	1		1	1
57	TO A NOD TO A VET ENT		1	2	183364.1	1	1	4	1	1	
25	RADIO TEL TELEG	1	:	!		34401.3	!	1	4 6		:
26	E.POWER.WATER.GAS	1	1	1	1	1	44454.9	1 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	•	1	:
27	DISTRIBUTION	1	6 6	1	:	•		0.178681	706307	!	!
28	AUTO OPERATION	5-6	1	1	1	1	1	1	1,9320.3	74050 6	g 6
29	FINANCE, R. E.	1	4	1	:	\$ 0	8	5 1		0.0001	100463.5
30	DWELLING SERVICES	1	1	:	8	8 1				1	
3.1	HOTELS, KEST	1	•	4	: :		:	:	8	1	;
75	PERSONAL SERVICES		: :		1	!	1		8	1	
2	TOTAL OFFICE	6829.7	2441.2	256356.0	183364.1	34401.3	44454.9	195977.0	79520.5	74050.6	105420.5
34											
35	IMPORTS - NS		13761	6 6	22120	1 1	256.0	1 1	1 1		: :
36	IMPORIS - NB	. 904.0	1.27.2.1	: :	0,0100		2 !	1	1	8.0	;
38	IMPORTS - FELLINGER - NELD		1 1		1	;	1	1	9 9	8	1
30		00	791.6	1	:	1	1	1	6	*	•
9	TOTAL IMPORTS	9251.9	2066.7	1	3313.0	9 0	256.0	!	1	0 5	*
41	TOTAL SUPPLY	. 16081.6	4507.9	256356.0	186677.1	34401.3	44710.9	195977.0	79520.5	74050.6	105420.5
42	TOTAL INTER.DEM	_	1173.1		101940.1	19843.1		38444.9	17985.5	65132.9	2.054301
44	TOTAL DOM.FIN.DEM	. 4540.6	2896.2	222349.0	23042.9	14558.2	0.8611				
15	TOTAL DEMAND	16081.4	4507.7	256356.0	186675.8	34401.3	44710.8	195976.8	79520.4	74050.6	105420.5
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TOTAL	34	62239.0 18044.0	49822.0	23608.4	49952.9	34869.0	17382.8	26249.1	23020.2 46615.3	15072.5	06354.8	6803.4	71017.2	0515.8	76051.2	6496.9	2441.2	256356.0	34401.3	44454.9	195977.0	74050.6	100463.5	33030.0	323.8%	1871593.0	; 0	32289.9	2 1 2 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	383786.9	436078.6	2307669.0	6750 <u>25.1</u> 1239839.0 392777.2	2307641.0
BUSINESS SERVICES	33	; ;	1	: :	1	1 1	1	1	: :	;	1	: :) †	:	: :	;	1	1 1	3 5	1	1	:	- (1 1 6	32358.9	32358.9	1	1 1		1	1	32358.9	23072.0 6668.7 2618.2	32358.9
PERSONAL SERVICES	32	1 1	}	: :	† }	: :	1	‡ •	: :	1	{	: :	1	}		;	}	: 1	1	1	;	: :	!	62794.5	1	62794.5	;	: :	1	1	1	62794.5	3303.0	62794.5
HOTELS, REST.	31	1 1	1	: :	1	1 1	1	1	1 1	1	1	: :	1	* *	: 1	;	1	: :	1	;	1	} }	1	33050.0	:	33050.0	1		: :		1	33050.0	3666.1	33050.0
		AGRICULTUREFORESTRY	PRIMARY FISHING	NONMETAL, QUARRIES	IEAT, DAIRY, FRUIT	SECONDARY FISHING	S.DRINK, DIST, BREW	TEXTILES, CLOTHING	SAWMILLS, WOOD PK PULP-PAPER & PR	PRINTING	IRON-STEEL MILLS	MACH & FOLIPT	TRANSP. EQUIPT.	ELECTRICAL EQ.	NONMET.MINERAL PR	FERT,PAINT,SOAP	MISC. MANUF.	CONSTRUCTION	RADIO TEL TELEG	E.POWER, WATER, GAS	DISTRIBUTION	FINANCE R. F.	DWELLING SERVICES	HOTELS, REST. PPRSONAL SERVICES	BUSINESS SERVICES	TOTAL OUTPUT	IMPORTS - NS	IMPORTS - NB	MPORTS - NEI D	IMPORTS - RES	TOTAL IMPORTS	TOTAL SUPPLY	TOTAL INTER.DEMTOTAL DOM.FIN.DEM	TOTAL DEMAND

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	1	FORESTRY	PRIMARY	COAL	NONMETALS. QUARRIES	MEAL DAURY & FRUIT	SICONDARY	MISC. FOODS,NES	S.DRINKS, DIST.BREW	TEXTILES, CLOTHING
	parel	~	m	ne ĝi	เก	9	7	00	6	10
AGRIC. PRODUCTS	305.0	Þ. F.C	. :	1.05%	1 1	211920	7.0	853.7	1 1	. 1
PRIMARY FISH	: :	. !	1 1	; ;	87.9	23.5	48919.0	9	: 4	* ;
NOVMET ALL OL ARRIES	466.1	1	147.3	1		7.7	130.00	24.4	4.000	; ;
SEC. FISH PRODUCTS	1 1	; ;	940.5	1 1	: 1	7.7	(. 1	331.3	130.6	: :
MISC. FOOD PROD.	11286.2	1		: 1	!	486.0	213.0	1729.7	1091.6	
1EX III ES.(TOTHING	172.0	13.4	1684.0	1 7	1 1	46.5	67.1	29.2	7.11.7	4621.6
SAWMILL, WOOD PROD	50.0	5.5	1215.0	846.0	893.9	210.6	1152.6	1577 8	69.5	8.3
PRIN ING		İ	1 :	26.6	15.0	175.0	173.5		124.0	2.4.1
FABRIC. METAL PROD	1016.0	208.6	0.27.0	764.	1979	5,612	, S. X.	25.4	786.4	1 5
MACH. & EQUIPT.	1 1	310.8	2556.4	Service.		5.159	5.6.5.5		234.0	500%
LLECTRICAL EQ	1000	13.2	12.7	19.16	13.6	}	3 3			
PETROLEUM PROD.	408.0 1169.0	326.4	2774.1	9697	332.2	257.7	377.2	0.015	1.00.7	۸ ۱۰
FER PAINTSOAP	2546.0	;	3 t	31.0	44.7	4.0	1.6	170.6	92.6	291.0
co.	1790.0	230.0	230.0	874.0	146.0	325.6	589.0	157.7	68.4	- 88 - 88 - 5.3
TRANSP, TRAVEL, ENT	1438.0	314.8	1992.1	824.3	1019.9	2882.8	3331.6	1460.7	924.4	1466.6
E.POWER, WATER, GAS	379.0	37.0		1812.5	493.6	5.40	821.0	296.2	264.0	318.8
DISTRIBUTION	3102.0	180.0	/1019.7	92.1	321.3	1905.3	430.1	1078.3	309.1	884.6
FINANCE, R.E.	2745.0	1.96.1	2400.0	550.0	269.5	465.6	639.0	350.0	382.6	269.2
HOTELS, REST.	1 :	1 1	1 1	1	1 1	1 1	;	1 1	1 1	# 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
PERSONAL SERVICES	5.0	35.0	70.07	415.3	8.0	372.4	60.0	24.0	32.5 649.2	26.6
TOTAL INTER.INPUT	30044.0	2269.0	17660.7	12846.5	8.682	36825.8	60893.0	11390.8	6240.0	10216.7
TAXES	2306.0	6.006	1372.4	620.0	925.4	534.6	779.4	388.6	450.5	209.6
NON-COMP. IMPORTS	300.0		300.0	332.3	661.6	1025.9	672.1	11144.9	1926.2	5352.7
WAGES & SALARIES	6299.0 19789.0	5601.5	11250.0	30488.0	5316.2	8104.7	15635.0	7334.0	3575.1	7435.2
PROFIT, RENT, INT.	875.0	2351.7	2359.6	0.070.0	6272.4	2504.2	5036.5	2986.2	4488.7	2184.4
HOUSEHOLD INCOME	26926.5	12845.6	27321.4	29418.0	9983.1	8.9696	21226.5	9795.3	5846.1	8027.1
PROVINCIAL REVENUE	-37.5	931.8	1381.9	400.0	743.7	386.2	441.9	294.8	319.4	108.1
FEDERAL REVENUE	-2247.0 -300.0	210.0	20.0 -54.0 300.0	432.3	1400.0	531.8	1024.5 672.1	181.1 659.0 11692.9	261.3 998.9 3020.2	176.6 469.4 6619.6
TOTAL PRIMARY	32195.0	15775.0	32161.3	32640.3	17818.6	13126.9	25512.0	23478.1	11142.7	16032.2
FACTOR INCOMES GROSS DOM. PROD.	26963.0 31895.0 10750.0	13098.0 15752.6 2200.0	27501.9 31861.3 9500.0	29518.0 32308.0 6277.0	14588.6 17157.0 1150.0	10738.8 12101.0 2326.0	22493.5 24839.9 5350.0	11089.6 12333.2 2136.0	8069.2 9216.5 818.0	9838.5 10679.5 2429.0
TOTAL OUTPUT	62239.0	18044.0	49822.0	45486.8	23608.4	49952.6	86404.9	34868.8	17382.6	26248.8

		SAWMILLS, WOOD PR	PULP-PAPER & PROD	PRINTING	IRON-STEEL MILLS	METAL FABRIC.	MACH. & EQUIPT.	TRANSP. EQUIPT.	ELECTRICAL EQUIPT.	NONMET. MINERAL PR	PETROLEUM REF.
		11	12	13	14	15	16	17	18	19	20
-2	AGRIC, PRODUCTS	6064.6	6573.5	: :	1 1	0.2	0.1	1 00	1 1	0.3	1 1
w 4 4	COAL NONMETAL OLIARRIES	1 1 1	3.2	2.0	5491.6	22.7	1 1 1	173.7	1 1 1	54.4	
nor	MEAT, DAIRY, FRUIT	:	: :	1 ;		C:77	:	; ;	1	2:	! !
~ 00	MISC. FOOD PRODUCTS	!!	: :	! !	: :	1 1	! !	1 1	* *	: :	E .
01	S.DRINK, DIST, BREW TEXTILES, CLOTHING	302.6	3.8	7.0	1 1	1 1 0	1 1 6	20.0	8 8	1 1	d 8 1
122	SAWMILL, WOOD PROD PULP-PAPER & PROD PRINTING	1835.4 29.4 1.3	1582.2 2949.8 8.7	1715.2	14.4 4.4	93.0	25.3 8.9 0.9	29.3	11.0	93.0	2.2
2452	IRON-STEEL PROD. FABRIC. METAL PROD. MACH & FOLIIPT		60.2 754.2 1165.0	17.1	1027.9	6158.3 861.1 389.7	228.9 478.5 285.7	1046.8 5581.1	395.8	23.0	786.6 786.6
2 _ 8	TRANSP. EQUIPT.					1078.6		12458.8	7.617		
20	NONMET.MINERAL PR. PETROLEUM PROD.	182.2	1239.0	27.9	1809.7	234.0	43.9	208.8	11.6	889.0	1
	MISC. MFG. PROD.	142.0	157.2	95.8	3721.9	4.7		155.7	58.0	100.9	932.1
	TRANSP, TRAVEL, ENT RADIO, TEL, TELEG. E.POWER, WATER, GAS	182.2	3909.9 590.7 2008.6	379.5 788.6 149.0	7020.0 277.8 526.6	2218.4	485.8 43.1 127.5	5855.5 365.4 503.0	351.3	566.0 66.6 186.3	1183.6 334.7 575.9
28 29 29	AUTO OPERATIONFINANCE,R.E.	536.3	820.2	193.4	179.5	376.2	119.4	592.8	393.1	59.2	1734.9
30	DWELLING SERVICES	20.5	19.4	8.6	20.0	1 44.00	7.4	37.0	9.1	1 1 0.1 0.89	383.8
工	TOTAL INTERINPUT	12	24985.1	4093.0	26966.2	13557.7	2333.9	34247.8	2578.8	3934.5	6051.4
35	TAXES. SUBSIDIES. NON-COMP IMPORTS		375.6	300.3	1079.7	365.7	63.1	722.9	37.6	73.4	255.8
38	WAGES & SALARIES UNINCORP.BUS.INC.		10934.0	6311.1	22793.1	7834.5	2668.3	22072.2	3437.5	2004.0	3294.0
42	PROFIT, RENT, INT. DEPRECIATION. HOUSEHOLD INCOME	2348.2 724.9 11685.5	5695.3 1423.2 11140.7	1612.1 188.2 8614.8	1721.0 2217.0 22903.1	975.0 1027.3 8421.1	554.2 86.1 2904.6	4618.4 1238.7 23467.1	2832.0 593.1 3437.5	1627.3 580.8 3243.6	9199.0 2900.0 3294.0
4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	EDUCATION & HOSP	179.9 254.5 516.7 277.3	295.4 346.2 1250.8 7173.9	89.6 287.7 327.0 1472.2	103.0 973.7 -580.9 13773.0	58.8 317.4 232.1 1677.1	53.0 33.1 116.2 1276.6	316.3 597.1 1007.0 10143.0	129.8 26.4 581.7 3168.5	106.7 44.2 331.5 26.8	488.0 83.9 1967.9 61266.2
400		13638.8	21630.2	10979.5	39388.9	11733.8	4469.6	36769.2	7937.0	4333.6	6.66669
50 50	GROSS DOM: PROD.	13491.5	18428.1	9>26.9 10015.4 1443.0	26817.9	10225.2	3408.0	29124.8	6893.8 712.0	36 ° ° ° 4306.8 468.0	15648.8
52	TOTAL OUTPUT	25820.0	46615.3	15072.5	66355.1	25291.5	6803.5	71016.8	10515.8	8268.1	76051.4

			SIRUCIION	IKAVELENI	IELEG.	WATER, GAS		OPERATION	R.E.	SERVICES
	21	22	23	24	25	26	27	28	29	30
AGRIC PRODUCTS	1	;	83.1	}	}	;	3.6	1	1	;
FORESTRY PRODUCTS	!	1	;	1	1	4 1	}	!	1	
PRIMARY FISH	; =	}	† 1	240	; ;	76749	1 1	: :	; ;	
COAL MICHAIL OFFADDIFE	15.3	1 ~	5803 4	4.3	! !		}	: :	: :	; ;
MEAT DAIRY FRUIT.	0.1]	; ;	1	:	1	1	1	1	i
E. FISH PRODUCTS	17.0	1	1	;	}	1	;	1	;	i
MISC. FOOD PROD	:	;	1	t s	1	;	1	:	:	i
RINK, DIST, BREW	1	10	1000	1000	26.0	104	2760	!	}	i
TEXTILES, CLOTHING	1 7	2.9	328.0	10.0	7.4	D. 1	187.9	1	166.4	i i
SAWMILL, WOOD PROD	2219	54.0	1226.8	208.0	t. 1	19.0	478.7	;		j
PRINTER & INCL.	1.6	4.0	1	38.8	299.1	20.7	1	;	417.4	1
IRON-STEEL PROD.	457.3	1	6889.1	: :	1 9	1 0	; 0	1 9	1	1
FABRIC, METAL PROD	108.2	21.1	15418.7	772.5	4.2	273.0	8.81	206.0	- 6001	1
MACH. & EQUIPT.	154.2	1	3755.0		1	104.0	1.2012	386.0	1042.4	•
ANSP. EQUIPIL	: :	; ;	53653	47.3	314.4	41.5	: :	: :	: :	: :
ELECTRICAL ECONOMINET MINERAL PR	; ;	1	18548.9	1		1	;	;	1	
TROLEIM PROD	96.4	8.6		9965.9	0.5	2263.7	850.2	;	24.6	;
RT.PAINT,SOAP	375.2	16.5	3926.4	180.2	0.4	17.0	15.1	143.0	1	•
MISC. MFG. PROD.	1 6	: 0	1 9	72.1	- 077		2005	0 109	0 007	0.00001
NSTRUCTION	48.3	0.01	0.112	4155.2	16369	31413	147207	3071.4	12286	14200.
ANSP, I KAVEL, EN I	215.0	45.8	0.7943	26812	321.8	131.5	3638.5	441.9	862.0	•
F POWER WATER GAS	128.6	133.3	128.0	833.7	475.0	135.0	1994.2	722.9	140.5	•
DISTRIBUTION	164.2	31.2	13674.0	4112.6	111.7	364.3	919.4	1	327.5	
AUTO OPERATION	1 1		1560.0	12696.7	2031.0	2.077	100307	4066 3	9 0990	12791
FINANCE, R.E.	/.4/	4.52	0.0001	0.000%	0.1502	5.074	1.00500.7	0060	0.0002	1370.
HOTELS REST	;	1	:	3666.1	:	;	;	;	;	'
PERSONAL SERVICES	1.8	1.3	87.0	766.0	75.0	36.5	442.8	;	62.0	•
BUSINESS SERVICES	105.7	77.5	3289.0	1327.0	863.9	728.0	6038.0	/14.5	963.3	
TOTAL INTERINPUT	2338.4	514.7	137605.6	69178.1	6886.5	16753.9	42371.4	13040.7	8804.3	15578.1
TAXES	75.1	40.6	2365.0	9561.8	944.8	1916.9	2713.0	8329.6	11629.4	25400.0
SUBSIDIES	: 1		: :	-6814,0	1	-3866.3	;	1	1	•
NON-COMP. IMPORTS.	1602.8	257.2	10595.2	859.9	652.7	280.0	2677.1	20978.7	1798.8	
GES & SALARIES	1180.3	953.3	84823.0	69462.2	9.66981	9262.0	79988.8	19513.4	24750.0	
UNINCORP.BUS.INC	1.5	72.3	8000.0	8500.0	1 0000	- 07 00	16830.0	70187	3400.0	02020
PROFIT, RENT, INT.	116/.4	540.4	30000	738077	6008.0	7366.0	116543	78394	5667.8	73676
HOUSEHOLD INCOME	1251.8	1431.0	97459.2	79386.1	18224.7	13659.4	120066.1	29153.4	30577.8	35858.7
EDUCATION & HOSP	!	1	;	1	1	1	: !	1 7	: :	
PROVINCIAL REVENUE	64.4	37.4	313.2	9317.7	506.0	0.989	2401.7	8386.4	3219.0	0.000830
MUNICIPAL REVENUE	2.55	133.0	25650	-4363	1796.2	-1007.4	6555.0	1457.0	5406.1	.004.62
MPORT LEAKAGE	2408.7	257.2	13382.8	5299.7	601.3	5121.0	11077.1	24357.7	11871.8	
TOTAL PRIMARY	4158.4	1926.3	118750.1	114186.2	27514.8	27701.0	153605.4	66479.8	65246.3	84885.
	4	1		0	0000	-			00-04	0 0 0
FACTOR INCOMES GROSS DOM. PROD.	2349.2 2555.6	1566.0	101889.9	86685.8	26862.1	22004.4	150928.3	45501.1	63447.5	32828. 84885.
PLOYMENT	233.0	248.0	21000.0	0.00691	4055.0	1882.0	29925.0	7250.0	2600.0	

MODEL I NOVA SCOTIA, 1965 - INPUTS AND DEMAND FLOWS B, D. E (\$ 000)

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		HOIELS, REST.	PERSONAL SERVICES	BUSINESS SERVICES	PERSONAL CONS.	CAPITAL FORMATION	INVENTORY	FED. GOVT. DEFENCE	FED. GOV1. CIVIL	PROVINCIAL GOVT.	MUNICIPAL GOVT.
		31	32	33	34	35	36	37	38	39	40
1 2	AGRIC. PRODUCTS	1 1	1 1	1 1	48396.0	1 1	-495.0 145.0	6 1 6 3	100.1	17.0	25.0
1 W 4	PRIMARY FISH	245.1	1 1	1 1	1724.0 6190.0	! !	2483.0	2020.3	104.3	10.01	0.06
50	METAL QUARRIES.	: 1	104.0	1 1	370.0	: :	457.5	10.0	177.3	33.0	550.0 55.0
r 0	SEC. FISH PRODUCTS	: :	16.0	1 1	9099.9	1 1	157.0	162.0	63.9	5.0	20.0
000	S.DRINK, DIST, BREW	100		1	24694.2	;	61.9		20001	19	1058
0 =	TEXTILES, CLOTHING	695.0	241.5	1 1 5	8863.0	: :	563.6	614.6	294.1	20.0	105.0
12	PULP-PAPER & PROD PRINTING	12.7	21.6	7817.2	2000.0	: 1	-353.9	50.0	17.8	2434.0	150.0
4	IRON-STEEL PROD.	1 1		1173	1 1	2042 0	336.5	6003	87.2	1 1	; ;
29!	MACH. & EQUIPT.	200.0	2: 1	4.0	72720	75603.0	51.8	1070.0	405.0	1830.0	678.0
	ELECTRICAL EQ.	: :	1 1 0	50.0	7085.9	50.0	503.2	5607.0	131.5	0.002	1 1
19	NONMET.MINERAL PR.	747.1	219.0	51.8	30930.5	: :	1032.2	304.0	348.2	420.0	350.0
21	FERT, PAINT, SOAP	115.6	249.9	325.0	4000.0	: :	-242.2	168.6	157.2	0.6	80.0
23	CONSTRUCTION	700.0	422.0	0	107017	119642.0	•	10136.0	26361.0	33361.0	7811.0
24	TRANSP, TRAVEL, ENT.	866.6	1903.2	844.4 5209.0	12861.0	1 1	1 1	431.4	156.7	485.0	220.0
26	E.POWER, WATER, GAS	1682.9	806.0	231.0	17483.8	; ;	1 1	3774.2	248.2	0.509	1763.0
780	AUTO OPERATION	1.000	15.0	15.6	60502.2	1	•	267.8	135.0	70.0	210.0
30	FINANCE, R.E. DWELLING SERVICES	6.0661	3439.0	0.076	105420.5	: :	1 1	1 1	0.400	0.5244	0.007
31	HOTELS, REST.		420.0	35.0	28843.0	1 1	; ;	306.4	129.4	11.0	1 1 5
33	BUSINESS SERVICES		293.0	,	0.0091	: 000	; 0	8.5/1	0.040	2,485.0	3/0.0
34	TOTAL INTERINPUT	11263.5	9607.1	16003.3	870691.8	0.699/07	4/17.8	6.16264	3/18/./	54/44.0	10994.0
35		2180.5	400.0	2586.2	124874.6	1	1	}	[:	;
37.0	NON-COMP. IMPORTS	555.3	1918.9		90043.0	1	: :	1459.1	616.3	1398.0	0.0001
000			25727.5	3800.0	1 1	1 1	1 1	87740.0	68303.0	20008.8	10085.0
40		1723.1	6641.0		1	;	1	1	}	18231.0	3005.0
4 4	DEPRECIATION HOUSEHOLD INCOME		1000.0	12990.7	: :	1 1	1 1	87740.0	68303.0	27239.8	11530.0
4 4		5 996	140.0		8668.1	; ;	1 1	1 1	: :	: :	: :
4 4		_	400.0	412.5	3295.5	1	1	1	1	}	+
46	FEDFRAL REVENTE	557.0	1918.9	340.0	90043.0	: :	: :	1459.1	616.3	12398.0	2560.0
25	TOTAL PRIMARY	21786.5	53187.4	16355.6	214917.6		*	89199.1	68919.3	39637.8	14090.0
997	FACTOR INCOMES GROSS DOM. PROD.	21231.2	49868.5 51268.5 14500.0	13295.4 16015.6 2731.0	124874.6	1 1 1	111:	87740.0 87740.0 14500.0	68303.0 68303.0 13000.0	38239.8 38239.8 4500.0	13090.0 13090.0 2280.0
52	TOTAL OUTPUT	33050.0	62794.5	32358.9	1035609.3	207669.0	4712.8	134450.9	106106.9	94381.8	31084.0

	EDUCATION	HOSPITAL	TOTAL DOM. FINAL DEM.	EXPORTS-	EXPORTS.	EXPORTS N.S.	LXPORIS- N.B.	LXPORTS-	LXPORTS NHTD.	TOTAL
	Ag.	. s. s	43	4	45	46	47	9C	49	90
AGRIC PRODUCTS FORESTRY PRODUCTS		271.7	48314.8	3465.0	1860.2		1013.0	()	1425.0	6363.5
2 PRIMARY FISH	0 %	3541	1724.0	- 62 4	77378 5	; ;	5486.0	3769	1950	5486.0
			1387.5	10860.8	1799.6		620.0	200.0	675.6	
- SEC EISH PROPILETS		2009.7	78939.6	3.7960.0	332.9	1 1	769.3	120.3	3179.3	5694.3
	: [173.0	41387.6	360.0	4328.0	1 1	1598.2	650.7	1579.0	8515.9
9 SIDRINK DISTBREW	1	10000	24756.1	26.0	0.0	1 1	283.0	744.0	300.0	1362.0
		93.8	11099.1	0.0119	2200.0		356.0	543.2	1300.3	10509.5
		56.3	1727.4	30282.6	0.9769	1	474.0	159.0	368.0	38259.6
	2319.0	662.9	9636.1	13276.0	38702.5	1 1	330.0	120.0	380.0	900.0
	•	1 0	3066.0	430.9	893.0	1	1022.9	966.4	871.0	4184.2
16 MACH, & EQUIPT		1427.0	70875.2	2781.6	30165.1	}	1787.6	20.0	1027.0	358533
	121.0	180.0	13678.6	2593.0	4747.0	-	162.0	0.01	48.0	7560.0
20 PETROLEUM PROD	2000	130.0	34883 5	849 1	158.0	1 1	602.1	215.2	8103.0	1279.1
		333.0	4540.6	82.0	114.0	1	372.0	449.4	389.0	1406.4
	144250	118.4	2896.2	1 1	1 1	1 1	185.0	57.3	1.961	438.4
	, m	1551.5	61692.8	3042.9	20000.0	1	1	1	1 1	23042.9
		269.1	14558.2	1	1	1	- 0011	i	!	100
27 DISTRIBUTION	1710.0	2868.5	142531.9	0.0009	0.0006	1 1	0.8811	; ;		150000
AUTO OPERATION	350.0	1	61535.0	-	1	1	1	;	1	2 1
29 FINANCE, R.E.	650.0	297.5	8917.7	1	1	:	1	1	1	1
HOTELS, RE		190.9	29383.9	1 1	! !		1 1	1 1	! !	! !
32 PERSONAL SERVICES	170.0 371.0	206.0	59491.5	1 1	2618.2	1 1	; ;	1 1	; ;	2618.2
	28585.0	24010.1	1239845.0	137753.3	189934.4	:	30159.2	12795.6	22135.4	392777.8
TAXES	;		1248746			:				
	;	1	2:101-71	1	-14000.0	2 0	1	! !	: :	-14000,0
	3100.0	5510.9	103127.2	1	1	1	1	1	1	: !
39 UNINCORP.BUS.INC	53853.0	30431.0	2 /0420.8	1 1	1 1	1 1	; ;	1 1		1 1
	6576.0	1,999.7	29811.7	1	†	1	;	1	1	1
	56889.0	30888.0	282589.8	: :	: :	: :	1 1	; ;	; ;	1 1
	}	1	8668.1	1	1	;	1	1	;	!
	: :	: :	3295.5	1 1	1 1	1 1	1 1	; ;	1 1	1 1
46 FEDERAL REVENUE	10000	- 0	62471.8	;	-14000.0	1	•	1	}	-14000.0
2	0.040.0	/033.0	120/09.9	:	:	;	:	1	;	!
48 TOTAL PRIMARY	63529.0	37941.6	528234.3	;	-14000.0	1	1	;	;	-14000.0
49 FACTOR INCOMES	60429.0	32430.7	300232.4	;	00001	1	!	:		1 4000 -
SI EMPLOYMENT	11000.0	11600.0	56880.0	: :	0.00041-	: :	1 1	: :	! !	-14000.0
52 TOTAL OUTPUT	92114.0	61951.7	1768076.0	137753.3	175934.4	1	30159.2	12795.6	22135.4	378777.8

TOTAL	52	78549.2 20888.6 56129.0 551126.6 23143.5 90568.1 87677.9 64726.0 26468.2 20440.6 75578.8 53627.7 54668.2 20440.6 76150.4 107426.1 126336.3 126336.3 16081.5 4507.7 23787.4 76223.8 16081.5 4507.7 23787.4 76223.8 16081.5 74401.3 44710.8 195976.9 79520.4 195976.9 79520.4 79520.4 79520.4 79520.5 33030.0 34401.3 79520.4	2,307670.0	28602.6 28602.6 80998.6.7 80988.6.7 80988.6.7 117628.6 117628.6 104923.6.0 8668.1 8517.5 5519.0 70471.4 326377.9 1710775.0 1166701.0 1460874.0 22852.6.0	
TOTAL INTER.DEM.	51	22458.8 14151.0 13836.7 8200.0 5934.5 14822.5 245.3 7759.3 32019.1 14645.1 14645.1 19608.4 19608.4 19608.4 19608.4 19608.4 1173.1 1173.1 3407.1 1173.1 38445.0 17195.0 38445.0 17195.0 38445.0 17195.0 38445.0 17195.0 38445.0 17195.0 38445.0 17195.0 38445.0 17195.0 38445.0 17195.0 38445.0 17195.0 38445.0 17195.0 38445.0 17195.0 38445.0 17195.0 38445.0 17195.0 38445.0 17195.0 38445.0 38445.0 17195.0 38445.0 3845.0	074050.3	14602.6 146774.6 539465.9 1787.1 17628.6 76646.6 34738.3 21999.6 205608.1 1196543.0 149769.0	
Z		FORESTRY PRODUCTS FORESTRY PRODUCTS COAL NONMETAL QUARRIES MEAT, DAIRY, FRUIT SEC. FISH PRODUCTS MISC. FOOD PROD SAWMILL, WOOD PROD SAWMILL, WOOD PROD PRINTING IRON-STELL PROD FABRIC, METAL PROD FERT, PAINT, SOP FERT, PAINT, SOP MISC. MFG. PROD FERT, PAINT, SOP FINANCE, R.F. DWELLING SERVICES HOTELS, REST HOTELS, REST BUSINESS SERVICES	TOTAL INTERINPLET	SUBSIDIES NON-COMP. IMPORTS NON-COMP. IMPORTS WAGES & SALARIES LAIN ORP BLY STORE PROTHER ALIN DEPRECIATION HOUSEHOLD INCOME EDUCATION & HOSP ROVINCIAL REVENUE ML. NICIPAL REYENUE ML. NICIPAL REYENUE TOTAL PRIMARY FACTOR INCOMES GROSS DOM. PROD. TISTAL OF 1PL 1	
			3.4	38888 4444444 4 466 4	

MODEL 1 N.B., 1965 - OUTPUT AND SUPPLY FLOWS J.M (\$'000)

MODEL 1 N.B., 1965 - OUTPUT AND SUPPLY FLOWS J.M (\$7000)

		WOOD PK	& PROD.		MEIAL PROD	& EQUIPT.	PETR.PROD.	EQUIPT.	MINERAL PR	
	11	12	13	14	15	16	17	18	61	20
AGRICULTURE	;	1 5	1	1	;	;	;	;	1	;
FORESTRY	:	207.0	:	0 0	1	1	;	1	1	1
METAL MINING	1 1	1 1	; ;	1 1	:	1	1	:	1	1
COAL MINING	;	1	1	1 1	: :	} {	; ;	: :	}	:
METAL, QUARRIES	1	1	:	;	1	1	;	1 1	: :	: :
MEAT, DAIRY, FRUIT	1	;	1	-	1	1	;	1	: :	: ;
NDARY FISHING	1	*	1	1	1	1	1	;	;	
MISC. FOODS, NES	:	1	1 0	1	:	;	1	{	;	8 8
SIDKINK, DIST, BKEW	1 0000	1 2	25.8	1		1	:		1	1
CAMMIT CWOOD DE	1.7040	00000	4	1	1	!	*	1	0.0	ę 2
PILI P-PAPER & PR	25.8	44/30.3	178205 6		:	!	2 2	3 8	!	1
PRINTING	0.02	* !	140203.0	0072 /	6 2	:	!	-	8 0	-
METAL FABRIC	1	1	1	10101	15583 6	1001	:	!	1 d	1
MACH. & EQUIPT.	;		3	1	2:00:01	63627	3 1	;	•	4
9	1	1	;	1	1	1:100	647141		*	;
TRICAL EQ.	8	1	;	0 0	5 5	9.996	: 1	116456	£ ;	!
MET.MINERAL PR	1	1	5.9	1	!		8 8	2:1	118144	1 1
	;	1 1	:	;	1	1	;	;		:
FERILPAINISOAP	}	1	1	1	1	;	}	-	;	:
MISC. MAYER	:	1	;	1	-	1 5	1	-	;	1
TO A NCD TO A VEL ENT	;	;	1	1	:	1	}	;	1	1
O TEL TELEG	: :	!	:	1	1	1	1	:	}	1
E POWER WATER GAS	;	1			:	1	1	1	;	1
DISTRIBUTION	;	1	1 }	: :		:	:	}	;	1
AUTO OPERATION	1	;	;	1		: :	:	:	1	;
NCERE	1	;	1	1	;	;	:	!	;	1
DWELLING SERVICES	;	;	}	}	;	1	: ;	: :	1	1
LS,REST.	;	:	1	1	1	;	;		:	;
PERSONAL SERVICES	;	!	1	* 1		;	1	;	: :	
NESS SERVICES	;	1	1	1	}	;	!	1	;	}
TOTAL OUTPUT	8208.5	44937.3	148237.2	9873.4	15583.6	7346.8	64714.1	11645.6	11814.4	:
ORTS - NS	770.2	356.0	474.0	330.0	1022.9	2500	2498 9	163.0	1 603	
ORTS - NB		;	1		1		1000	0.201	1.700	:
IMPORTS - PEI	704.7	:	;	1	9.19	!	0.9	1		: !
OKIS - NFLD		100	1 4	1	;	1	1	;	6.1	;
IMFORIS - RES	316520	1828/.8	51/5.3	2//1.1	18759.9	116110.9	37528.4	7882.0	12248.1	1
	0.700		2042.2	1.101.1	1,4044,4	110300.9	40033.3	8044.0	12856.3	8 8
TOTAL SUPPLY	40160.5	63881.1	153886.4	12974.5	35428.0	123707.6	104747.3	19689.6	24670.7	
TOTAL INTER.DEM.	2694.7	29118.2	23110.2	6775.8	28753.3	21641.6	25810.0	8277.5	22765.4	Ē
TOTAL EXPORTS	3025.0	24752.2	1428.6	5781.7	410.1	100383.8	62551.5	5987.7	202.8	;
TOTAL DEMAND	401203	6 10007	7 7000238	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				1:1210	1102.3	1
A LINE A A LINE	5 I W I	_	L AWWA	3 1/11/2 1/2	25.4.25	7 606661	0 27 27 0 *			

MODEL 1 N.B., 1965 - OUTPUT AND SUPPLY FLOWS J.M (\$'000)

		FERT.PAINT & SOAP PR.	MISC. MFG. PROD.	CON- STRUCTION	TRANSP, TRAVEL, ENT	RADIO,TEL, TELEG,	ELEC.POWER WATER.GAS	DISTRIBUTN	AUTO	FINANCE, R.E.	DWELLING SERVICES
		21	22	23	24	25	26	27	28	29	30
		e d				1	8 1	1	1	1	4596.0
_ <	AGRICULTURE		1 1	} (;		1	;	1	3 8	e e
16	PRIMARY FISHING	1		ŧ .	1	1 0	1	1	*	1	1
4	METAL MINING	•	-	1	*	1	:	1	1	: :	: :
2	COAL MINING	1	-	1	:	4 0	1	:	1 1	1 !	1 1
9	NONMETAL, QUARRIES		:	E 9	-	: 1	1 1		! ;	1	1
-	MEAT, DAIRY, FRUIT.		t t	1 1	1 6		1	8 8	1	1	;
00 0	SECONDARY FISHING		! !	1	1	:	1	1	1	!	4 4
2 0	C DEINK DIST RRFW		1	;	:	6 1	1	1	1 1	!	;
2 =	TEXTILES CLOTHING		1	1	!	1	1	;	1	1	5 8
12	SAWMILLS, WOOD PR.	1	!	1	1	!	1		1		1 1
13	PULP-PAPER & PR		-	1	B 0		: :	! !			[
14	PRINTING		:	: :	3 1			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	\$ 6	1	1
15	METAL FABRIC		1 1			4	1	1	1	1	1
17	TO A NOP EO DETR PR		86.7	1	!	1	1	1	1	t b	1
00	FI FCTRICAL FO	1	1		1	1	i e	}	}	4 4	1
6	NONMET MINERAL PR	8 8	8 0	1	*	1	1	4 1	1	1	;
20			* 1		;	1 1	!	!	1	1 1	
21	FERT, PAINT, SOAP	11056.0	0 7037	!	!	1 1	d 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	1		1
22	MISC. MANUF.		0.4.00	255314.0		1	1	*	:	1	1
23	TO AND TRAVELENT		}		152603.8	1	1	1	-	1	0
75	RADIO TEL TEL EG		:	1	*	31023.3	1	1	1	;	1
26	E.POWER, WATER, GAS	1	*	1	1	1	39627.0	1300301		1	1 1
27	DISTRIBUTION	1	*	1	1	•	}	132293.1	62422 1	! !	
28	\vdash	1	1	4 0	•	ſ	1 1		1.77470	60854.6	1
29	FINANCE, R.E.	1	!	1			1	}	1		72131.5
30	DWELLING SERVICES		1 1	! !	1	1	1	1 0	1	1	e e
37	DEDCONAL CERVICES			1	1	1	1	!	ì	1	1
33	BUSINESS SERVICES	:	9 0	1	1	1	1	:	1	\$ 1	*
34	TOTAL OUTPUT	11056.0	6681.5	255314.0	152603.8	31023.3	39627.0	135295.1	62422.1	60854.6	76727.5
30	SN SEGOGNE	3720	185.0	1	1	6 0	1198.0	1	1	!	1
36	IMPORTS - NB		1	8	0 0	!	1	1	1	•	:
37	IMPORTS - PEI	. 4	!	1	1	1	1	1	8	;	: :
300	IMPORTS - NFLD		1 0	!	1	1	0.440	1	1 1		. 1
39	IMPORTS - RES	4232.9	501.9	1 1	1 1	1 1	1745.0	1 1	1 1	1	1
2	>		7368.4	255314.0	152603.8	31023.3	41372.0	135295.1	62422.1	60854.6	76727.5
1 4	TOTAL SOLI EL							1			
42	TOTAL INTER.DEM	9783.6 3300.4 2874.1	583.8 2418.1 4366.5	26366.3 228947.6	90318.8 43970.4 18313.0	17313.9	17870.0 21007.9 2494.0	37468.8 97826.1	46948.4	54647.4 6207.1	76727.5
. !			7369 4	7551130	1526022	31023.3	41371.9	135294.9	62422.0	60854.5	76727.5
45	TOTAL DEMAND	. 13938.1	7300.4	7.010.07	7:300763						

MODEL 1 N.B., 1965 - OUTPUT AND SUPPLY FLOWS J.M (\$7000)

TOTAL	34	66347.9	48877.0	10672.0	34906.0	7.04/0	785.3.0	40023.7	7.7.7.6.6	141971	1.00	45441 5	1482314	T 1720	4.67.07	63673	2,2000	0,4000.0	1830.3	5,0701	110560	6594.8	255314.0	152603.8	31023.3	39627,0	135295.1	62422.1	60854,6	72131.5	20500.0	50432.8 24939.0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	22478.0	:	5702.7	6.00	304136.6	332406.2	1941626.0		976613.1	383805.7	1941600.0
SERVICES	33	1	;	1	:	1	:	: :	: :	1 1	: :	: :	:	: :	ì	: ;	:	å i	f 1		:	:	2 2		!	:	:	;	1	* i	:	749390		;	\$ 5	5 1	:	1	1	24939.0		3222.0		24938.9
SERVICES	32	:	6 0	1	:	8 2	: :	: :		:	1	: :	:	1	1 1	: :	: :			1	*	:	:	:	1 2	1	8 6	1	2 0	1		50432.8	50.427.9	1		1	1	:	1	50432.8	24196	48013.2	:	50432.8
REST.	3	à è	8 4	1		1		6	1	:	1	0 8	!	;	1		1		: :	!	6	1	1	0 0	1	!	ŧ	1 4	1	:	20500.0	1 1	205000	;	1	1	1 4	4	4	20500.0	× 1891	18608.2	1	20500.0
		AGRICULTURE	FORESTRY	METAI MINING		OLARRIES	MEAT DAIRY FRUIT	Y FISHING	DSINES	S.DRINK, DIST, BREW	LOTHING	SAWMILLS, WOOD PR.	PULP-PAPER & PR	PRIVING	3RIC.	MACH. & EOUIPT.	O. PETR PR	AL FO	NONMET MINERAL PR		FERT, PAINT, SOAP	・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・	LION	TRANSP, TRAVEL, ENT	J'TELEG	E.POWER, WATER, GAS	DISTRIBUTION	AUTO OPERATION	FINANCE, R.E.	3 SERVICES	HOTELS, REST.	BUSINESS SERVICES	TOTAL OF TPLT	IMPORTS - SS	200	TEL ST	NFLD	RES	IOIAL IMPORIS	TOTAL SUPPLY	TER DEM	TOTAL DOM.FIN.DEM	FOR IS	TOTAL DEMAND

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FLOWS
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	AGRI-	FORESTRY	PRIMARY	METAL	COAL	NONMETALS. QUARRIES	MEAT, DAIRY & FRUIT	SECONDARY	MISC. FOODS,NES	S.DRINKS, DIST.BREW
	-	2	m	4	50	9	7	00	6	10
STOLIGORD VIEW	12150	41.0	;	1	;	;	19388.3	303.4	1127.4	1
FORESTRY PRODUCTS	747.0		: :	: :	1 1	: :	1 1	1.3	1.0	1 1
PRIMARY FISH	: :	: :	1	;	1		100	151	100	: :
	0 643	; ;	1 9	1 1	; ;	7.0	2.9	83.4	29.1	77
NONMETAL, QUARKIES	0.442.0	! !	2: 1	1	1	*	6183.1	21.2	543.2	141.1
SEC. FISH PRODUCTS		1	156.4	1 1	1 1	: ;	735.0	3.6	2318.2	530.6
MISC. FOOD PROD.	0.7575	: :	: :	: :	;	1	34.0	01	142.3	187.1
TEXTILES, CLOTHING	276.0	33.0	471.2	1 120	15.0	7.5	62.8	47.0	403.5	57.1
SAWMILL, WOOD PROD	3840	20.5	196.9	5/1.2	0.01		2033.0	716.1	3806.8	533.6
PRINTING	0:1:00		: 0	6.2	2.2		131.7	1245.8	209.3	117.3
FABRIC, METAL PROD	1020.0	228.5	542.7	483.8	1400.4	142.1	127.0	408.7	550.8	288.2
TRANSP.EQ., PETR.PR	1251.0	780.0	686.1	254.4	210.9		348.2	205.8	923.4	198.5
ELECTRICAL EQ.	402.0	0.70	7.64	3.8	1.72		;	1	4.3	1
		1	1 2	1000	1 8 1	00	: }	; ;	8.3	89.3
FERT, PAINT, SOAP	4466.0	: :	77.6	6.70	0.01		58.0			1 3
MISC, MFG, FROD.	2060.0	1108.0	65.0	24.0	12.0		22		311.5	52.4
TRANSP,TRAVEL,ENT	1870.0	528.0	0.880	126.2	26.0		200		600.2	244.4
E.POWER, WATER, GAS	351.0	51.0	100	1134.8	455.7	97.3	325.2	366.5	262.9	144.1 252.0
DISTRIBUTION	1443.0	343.2	188.7	50.6	70.1		3		2.9	32.9
FINANCE, R.E.	3234.0	797.0	526.0	268.8	20.0				1.69%.1	8.6/1
DWELLING SERVICES	1 1	: :	: :	; ;	: :	1	1		1	1 1
PERSONAL SERVICES	5.0	20.0	1001	3.0	60.5	9.8	21.7	60.09 670.0	67.2 426.3	355.9
BUSINESS SERVICES	0.000	51413	4024.5	5325 4	3287.0	1849	36	28	20418.6	4108.9
TOTAL INTERIINFUL	30330.0	7:14/0			0040			A 577 A	5790	2943
TAXES	2482.0	4729.1	339.3	808.2	358.0					
NON-COMP. IMPORTS	468.0	72.0	53.2	2155.4	285.0	143.4	1294.2	2206.5	32336.3	1971.0
WAGES & SALARIES	7400.0	19776.0	3615.0	4/53.7	3/44.2				•	27.3
PROFIT, RENT, INT.	488.0	4438.7	630.8	9808.3	113.0	1725.2				3538.1
DEPRECIATION	5011.0	3116.5	730.0	12115.0	3744.2			11444.0	13694.3	4764.8
EDUCATION & HOSP	1		1 1 6	10	. 0001					0 69 0
PROVINCIAL REVENUE	-372.0	4727.5	70.0	134.2	170.0		222.7	530.0	364.8	29
FEDERAL REVENUE	-1292.0	282.5	17.2	200.0	50.0 398.0	197.7	_	2	(F)	
TOTAL PRIMARY	35352.0	42135.9	6647.5	29640.6	5461.2	6583.8	11719.7	16263.4	56847.7	10088.2
FACTOR INCOMES	29108.0 34884.0	34218.3 42063.9	5550.8	14562.0	3857.2	571	9137.2	12144.5 14056.9	21537.6 24511.5 2884.0	6659.9 8117.2 648.0
EMPLOYMENT	10350.0	0.0009	3000.0	0./08	0.44.0	014			4961	141071
TOTAL OUTDUIT	66348.0	48877.1	10672.0	34966.0	8748.2	8433.1	48623.8	450/5.0		1419/.1

	20	1.1	; ;	-	1 1	: :	!	: :	1		1 1	T S	1 1	1 1	-	: :	1 1	: :	1 :	; ;		2	ł	:	t 3 1 3	: :	;	: :		11:	Ē	# # 0 #	: :	
NONMET. MINERAL PR	19	21.0	: :	; i	65/59	{	2.7	: ;	4769	1.0	552.9	610.2	1158.3	2.9	0.0	979.3	156.8	450.2	27.0	1 1	95.8	5679.4	129.1	0 0 7 1	3156.6	38.7	1244.2	0.0004	93.3	272.2	6140.7	4595.4 5968.7	11820.0	
ELECTRICAL EQUIPT.	18	0.2	1 1	;	! !	1	1 1		4.7.		23.0	93.0	9 1	1.8	170	952.2	0.101	408.0	308.1	1 1	8.9	3717.7	115.2	19740	3596.0	2617.7	641.6	9:104	162.6	535.2	8894.5	6213.7	12612.2	
TRANSP.EQ. PETR.REF.	17	1.0	}	3.7	1 ;	1	: :	0.1	115.9	21.2	293.5	188.1	: 1	4.7	100	5428.5	235.3	1902.2	483.5	1 1	6.3	10314.5	240.8	386057	8592.8	4610.1	2417.8	077	224.7	38730.2	54486.2	13222.4	64800.7	
MACH. & EQUIPT.	16	1 1	1 1	ř	1 1	;	: :	4 ·	7.1	100	63.8	33.7	1 1	142.0	1001	379.6	161.2	140.4	184.0	: :	1.7	1307.7	99.1	1182.0	2506.9	947.8	3282		9.1.6	181.8	5054.5	3872.5	6362.2	
METAL FABRIC.	15	1 1	1 1	: 01		1	: :	0.2	14.5	11.0	528.00	282.3	3.8	34.9	- 111	1126.2	116.3	515.7	396.5	; ;	7.2 60.0	7458.8	171.4	1137.0	4870.0	944.6	928.5		142.1	155.0	8142.7	5905.8 7005.7 953.0	15601.5	
PRINTING	14	1 1 .	! !	8	1 :	1	1 :	1.0	851.9	524.9	113.2	37.4	;	4.0	133	225.8	348.2 81.0	101.5	119.2	1 1	4.3	2513.8	42.9	838.2	4541.1	600.3	302.1		25.8	838.2	7359.6	6176.4 6521.4 994.0	9873.4	
PULP-PAPER & PROD	13	28534.0	: :	3270.2	יין יין	000	0.001	151.7	4640.8	22.2	625.4	3216.3	322.0	: 1	305 A	7950.1	6114.4	5657.8	484.1	1 1	4.2 2805.1	77957.8	1951.9	11805.4	30780.8	1.7988.1	33670.1		1085.8	3770.8	70273.2	48768.9 58467.9 4990.0	148230.7	
SAWMILLS, WOOD PR	12	15708.5		0.7	: :	: :	1 1		22.12	22.4	1065.8	254.4	1	633.7	286.4	1800.1	662.0	756.3	1044.9	1 1	97.4	25209.1	686.5	197.0	11646.8	4243.7	1592.3		415.4	839.0	20232.5	20035.5	45441.6	
TEXTILES, CLOTHING	Ξ	408.7	1	: :	1 1	1 1	1 1	257.8	58.4	6.0	143.8	49.9	1	7.5	3000	443.3	108.4	202.5	131.8	: :	7.7.6	1955.8	100.5	2386.5	2928.3	825.2	3116.7	1 07	92.1	2842.2	6526.9	3767.7 4140.4 1047.0	8482.6	
		1 AGRIC. PRODUCTS		-			S.DRINK, DIST, BREW		-			8 ELECTRICAL EQ.	NONMET.MINERAL PR.		MISC. MFG. PROD.		6 E.POWER, WATER, GAS			HOTELS, REST.		34 TOTAL INTERINPUT	5 TAXES		8 WAGES & SALARIES			EDUCATION & HOSP.	-	46 FEDERAL REVENUE 47 IMPORT LEAKAGE	48 TOTAL PRIMARY	49 FACTOR INCOMES. 50 GROSS DOM PROD 51 FMPLOYMENT	52 TOTAL OUTPUT	

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DWELLING	SERVICES	30	ŧ															0.00501	00001			0 6 7 9	100			11354.9	14835.0			29588	16353.0	21535		14835.0	8053.0	9.92209	29588.	72131.4
FINANCE,	N.E.	29	:	: :	j i	1	E 6 0	1	;	: !	156.6	247 A		1139.8	2 1	1 1		0 000	1539.3	527.1	268.0	- 0000	2.0220	1 0 7 1	1271.0	11777.3	9212.7	15347	17513.9	1500.0	4923.9	21095.7	1414.4	3976.4	9525.1	49077.3	33406.5 47543.1 4100.0	60854.6
AUTO	OPERATION	200	!	1 (:	1	1 1	;	1	: 0	1	1 1	28.2	281.7	3 8	†	98.6	1 644	2516.9	425.7	7.710	25.42.5	4,745.7	\$ 9	253.5	9314.3	6977.1	0.06731	15621.8	4500.0	2866.0	22146.8	7225.9	211.2	18752.9	53107.8	26544.7 36387.8 6050.0	62422.1
DISTRIBUTN		27	2.4	1 1	;	-	: :	;	1	3765	129.1	307.8	14.8	893.2	7.7	1	9.1	1 1 7 7	11303.0	2963.2	2294.6	7 0000	0.0000	1 0000	3877.0	33568.6	2240.7	10101	62080.9	15800.0	7334.6	80624.3	1930.3	1774.9	4022.4	101726.4	90340.8 99916.0 21725.0	135295.0
ELEC.POWER	WAIER, GAS	26	1	;		3191.4		;	{	0 8	0:0	283.0	468.6	338.3	77.6	1	16.0	5.2	1490.5	113.4	552.7	100	0.010	10	157.0	12133.6	288.4	-951.3	9152.0	113166	7413.0	12280.6	297.0	175.0	7034.7	27493.4	20468.6 27218.7 1550.0	39627.0
RADIO.TEL.	TELEG.	25	:	1		!		1	1	100	7:67	1 0 4 0	10.9	100	302.4	\$ 0	0.3	1 0	1373.5	258.4	95.3	15.3	16/0.4	100	530.5	6418.2	802.0	3 000	15204.7	25010	4567.0	16509.7	388.0	747.8	867.4	24605.1	18706.6 24075.6 3020.0	31023.3
TRANSP,	TRAVELENT	24	1	1	: :	136.9	55.0	1 1	;	1 10	97.4	104.1	1226.6	131.6	12244.1	1	147.2	50.0	3854.0	2528.4	3036.4	9063.6	5948.4	1891.8	623.3	53415.7	7988.8	-2374.0	66160.8	4000.0	17339.1	71168.6	7126.0	659.7	3917.9	99188.0	73108.4 96062.2	152603.7
CON	STRUCTION	23	73.2	1	1 1		5641.4	1 :	;	10	19377.8	916.3	16770.3	6814.0	6372.2	20691.2	2777.1	1	225.0	283.0	225.0	1880.0	0.99911	1	3306.0	130806.6	6514.2		80631.6	5500.0	5200.0	89181.6	2879.7	2860.0	21286.8	124507.1	93519.5 105233.7 19120.0	255313.6
MISC.	MANUF.	22	8 0	1	1 1	•	6.2	323.0	1	1 0	443.2	136.5	595	159.5	0.11	8 8	152.7	# 0 1	300.8	58.6	85,3	11.8	138.4		3.7	2554.6	127.6	1 6	2215.6		192.2		44.7	102.9	957.0	4040.2	2899.1 3218.9 558.0	6594.8
FERT, PAINT	& SOAP	21	;		1 1	2.0	13.5				1 1	286	1 1	252		8 8	755.8				654.2				2.8	2879.8	79.9		1575.0		3123.2		156.0		φ,	8176.3	4698.2 5226.7 269.0	11056.1
			STOUCH DIAGON	FORESTRY PRODUCTS	PRIMARY FISH	COAL	NONMETAL, QUARRIES	MEAT, DAIRY, FRUIT	MISC, FOOD PROD.	S.DRINK, DIST, BREW	TEXTILES, CLOTHING	PULP-PAPER & PROD	PRINTING	MACH. & EQUIPT.	TRANSP.EQ., PETR.PR.	NONMET.MINERAL PR.	CEDT DAINT SOAD	MISC. MFG. PROD.	CONSTRUCTION	RADIO TEL TELEGO.	E.POWER, WATER, GAS	AUTO OPERATION	FINANCE, R.E.	DWELLING SERVICES	PERSONAL SERVICES	TOTAL INTERINPUT	TAXES	SUBSIDIES	NON-COMP. IMPORTS	UNINCORP.BUS.INC	PROFIT, RENTINI	HOUSEHOLD INCOME	EDUCATION & HOSP	MUNICIPAL REVENUE	FEDERAL REVENUEIMPORT LEAKAGE	TOTAL PRIMARY	FACTOR INCOMES GROSS DOM. PROD.	TOTAL OUTPUT

MODEL 1 NEW BRUNSWICK, 1965 - INPUTS AND DEMAND FLOWS B, D, E (\$7000)

	HOTELS, REST.	PERSONAL SERVICES	BUSINESS	PERSONAL CONS.	CAPITAL	INVENTORY	FED. GOVT. DEFENCE	FED. GOVT.	PROVINCIAL GOVT.	MUNICIPAL
	31	32	33	34	35	36	37	000	30	QV
AGRIC, PRODUCTS FORESTRY PRODUCTS PRIMARY FISH	1 8 8	: : :		32025.5 652.0	}	-1987.0	~ 1	72.1	85.0	16.0
METALS	1 000	:	: :	0.9001	1 1	-485.1	1 1	; ;	! !	d #
NONMETALQUARRIES	7.871	1 1	1 1	2723.3	1 :	22.9	45.3	1 1	30.0	15.0
SEC. FISH PRODUCTS	: :	112.0	1 1	56343.6	: :	368.3	382.9	90.3	0.99	67.0
MISC. FOOD PROD. S.DRINK, DIST, BREW		20.0	1 1	30627.1	3 0	-269.1	135.8	20.4	16.0	20.0
SAWMILL, WOOD PROD	29.0	25.6	{ }	33998.4	: : :	18.6	50.4	105.3	45.0	83.0
PULP-PAPER & PROD PRINTING	93.8	16.0	1.0	1500.0	; ;	-89.4		1 2 2	0.00	0.00
MACH, & EQUIPT	460.0	218.0	93.3	: :	91764.0	179.1	67.7	5.3	70.0	0.221
TRANSP.EQ.,PETR.PR.	500.6	75.0	43.1	57232.3	1000.0	-1133.7	2259.0	453.7	1021.0	650.0
NONMET.MINERAL PR.	1 1	180.0	1 :		;	0.06	99.3	0.007	0.00	1 :
FERT, PAINT, SOAP	75.4	194.9	36.7	3400.0	* *	-347.9	23.7	31.2	80.0	1
CONSTRUCTION	200.0	399.0	2007	22822	149241.6	7.001-	4045.0	9692.0	5.0	50.0 5306.0
RADIO, TEL, TELFG. E.POWER, WATER, GAS	568.0	353.0	4647.0	12471.0	: :	I	53.00	1410.8	4342.0	2320.0
DISTRIBUTION	292.2	299.5	176.5	95110.6	; ;		213.2	232.7	521.0	1382.0
FINANCE, R.F. DWELLING SERVICES	1298.6	2728.0	767.0	3619.3	: : :	3 B E	† E	279.4	578.0	360.0
HOTELS, REST. PERSONAL SERVICES	527.1	286.0	000	18493.2	1		: :	1 1	1 1	1 1
BUSINESS SERVICES	771.3	135.0	48.0	1280.2	: :	1 1	4 ± 6	34.4	29.0	215.0
TOTAL INTERINPLET	8597.2	7950.0	11855.5	612569.8	242575.6	-10034.3	11002.3	14862.6	57323.0	13269.0
TAXES SUBSIDIES	1383.0	320.0	1993.9	96768.3	1	‡ #	P	1	1	I 0
NON-COMP. IMPORTS.	456.5	1503.0	353.2	57704.0	: :	å <u>f</u>	347.7	426.4	665.0	1085.0
L NINCORPERISING	2259.3	14271.0	1567.0	: :		1 1	38160.0	35198.0	20852.0	8762.0
DEPRICIATION	1364.1	3380.7	2187.4	1 1	ţ ţ	: :	8 4	i i	14349.0	2865.0
HOUSE HOLD INCOME	8663.5	39198.8	9356.0	0 0995	1	1	38160.0	35198.0	26601.0	9827.0
PROVINCIAL REVENUE	569.9	90.0	1660.5	40265.4	; ;	1 8	1 8 8	1 2	f g	: :
FIDERAL REVENTE	111.0	371.0	213.2	46700.0		1-1	; ;		8 1 2 1	
TANGET LEANAGE	922.3	1503.0	1071.5	57704.0	8 6		347.7	456.4	9265.0	2885.0
TOTAL PRIMARY	11902.8	42482.8	13083.5	154472.3	:	;	38507.7	35624.4	35866.0	12712.0
GROSS DOM PROD I MPLOYMEN I	9267.3 11446.3 3500.0	39659.8 40979.8 11100.0	10373.4 12730.3 2374.0	96768.3	1 1 1	# 4 # # 4 #	38160.0 38160.0 6400.0	35198.0 35198.0 7000.0	35201.0 35201.0 4000.0	11627.0
TOTAL OUTPUT	20500.0	50432.8	24939.0	767042.1	242575.6	-10034.3	49510.0	50487.0	93189.0	25981.0
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	EDUCATION	HOSPITAL	TOTAL DOM. FINAL DEM.	EXPORTS- FOREIGN	EXPORTS- CANADA	EXPORTS.	EXPORTS- N.B.	EXPORTS- P.E.I.	EXPORTS- NFLD.	TOTAL
	14	42	43	44	45	46	47	2 4	49	50
AGRIC. PRODUCTS	;	523.3	30816.0	5345.1	8797.3	1633.9	1 1	257.0	474.6	16507.9
PRIMARY FISH	1 1		1059.0	35451 1	: :	85.0	1 1	1 1	: :::	35451.1
METALS	415.0	195.3	3446.8	256.3	479.1	9.4	8 6 1 5	241.3	300.0 300.0	1044.8
NONMETAL, QUARRIES	42.0	1105.3	58465.4	733.0	657.0	5089.6	; ;	737.1	1051.6	8268.3 38871.0
SEC. FISH PRODUCTS	1 1	95.6	30806.4	879.1	31017.8	9030.5	1 1	3089.8	4834.2	48851.4
S.DRINK, DIST, BREW TEXTILES, CLOTHING	5.0	134.9	34440.6	75.0	1850.0	1000.0	1 1	100.0	843.8	3025.0
SAWMILL, WOOD PROD	348.0	175.7	1428.6	94065.8	33027.8	1562.3	:	353.9	338.1	129347.7
PRINTING FARRIC METAL PROD	1218.0	307.7	5781.7	455.2	3580.6	1784.7	: :	187.9	256.3	6264.7
MACH. & EQUIPT.	1255.0	2784.0	100383.8 62551.5	409.4	11409.6	2317.3	4 B 8	102.0	2147.5	16385.8
ELECTRICAL EQ.	63.0	82.0	5987.7	2410.0	2428.7	533.9	: :	349.6	53.5	1702.3
FERT, PAINT, SOAP	103.0	10.4	3300.4	400.0	15.7	904.0	1 1 1	1541.4	13.0	2874.1
MISC. MFG. PROD.	14042.0	1637.0	228947.6	1 1 6	4:1-1-2	10000	ì		: :	183130
TRANSP, TRAVEL, ENT.	1303.0	8.809	43970.4	2000.0	0.00051	3313.0	1 1	: :	1	0:01001
E.POWER, WATER, GAS	913.0	1519.0	21007.9	0.9	2232.0	256.0	1 1		1 1	2494.0
DISTRIBUTION ALITO OPERATION	818.0 339.0	932.1	9 / 8 2 6 . I 4 6 9 4 8 . 4	1 1	: :	: :		:	:	1
FINANCE, R.E.	767.0	448.4	6207.1	1 1	1 1	1 1	f 1 i i	! !	1 1	1
HOTELS, REST.		; (18608.2	1	r I	1	; ;	1 6	1 1	1 1
PERSONAL SERVICES	60.0 290.0	188.2	48013.2	: :	1900.3	1		:	!	1900.3
TOTAL INTER.INPUT	23131.0	11916.8	976615.6	194883.4	137433.4	32289.9	:	7832.1	11368.9	383807.5
TAXES	;		96768.3	1	15000	g 8 8 0	1 1	: :	1 :	-1500.0
SUBSIDIES IMPORTS		4420.2		! !	-	ţ	1	3 1	1 1	
WAGES & SALARIES	37966.0	26702.0	167640.0		: :	1 1	}	1 1	1 1	1
PROFIT, RENT, INT.	4615.0	1399.0	23228.0	:	1	: ;	1 1	1 1	# 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	; ;
DEPRECIATION HOUSEHOLD INCOME	39581.0	27301.0	17	! !		1	1	;	;	: :
EDUCATION & HOSP	-	1 1	5660.9	1 !	1 1	1 1	1 1	1 1	: :	1
PROVINCIAL REVENUE		: :	4142.0	1	100091	1		; ;	: :	-1500.0
5 FEDERAL REVENUE	4960.0	5220.2	80808.3	: :	-1 2000.0	: :	1	8		1
3 TOTAL PRIMARY	44541.0	32521.2	354244.5	•	-1500.0	:	:	8 6	8 6	-1500.0
FACTOR INCOMES	42581.0	28101.0	190868.0	: :	-1500.0	1 1	1 1	: !	1 1	-1500.0
EMPLOYMENT		10300.0		1	1	!	1	1 00	- 00/01	a Factor
Z TOTAL OUTPUT	. 67672.0	44438.0	1330858.0	194883.4	135933.4	32289.9	;	/832.1	11308.9	262001.3

TOTAL	52	69883.2 53413.0 20332.0 34966.0	11235.6 9053.1 74259.8 47202.0	89228.6 18103.0 40160.3 53881.3	53886.5 12974.5 35428.1	23707.4 04747.0 19689.6 24670.5	15958.1 7368.4	55313.9 52603.4 31023.3 41371.9	35294.9 62422.0 60854.6	76727.5 20500.0 50432.8 24939.0	941624.0	-6719.0 -6719.0 215191.8 615864.3 89616.3	78991.7 5660.9 72989.7 41577.0 72101.8	380760.0	895856.3 1165569.0 174828.0	3322379.0
А.	51	22559.4 45013.1 19188.0					,				_	67062.3 -5219.0 148583.5 248224.3 89616.3			704988.3 8 879433.4 11 135918.0 1	1609218.0 33
TOTAL INTER.DEN	-										6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6					91
		ODUCT PRODI FISH	COAL NONMETAL,QUARRIES MEAT,DAIRY,FRUIT SEC. FISH PRODUCTS	MISC. FOOD PROD	PULP-PAPER & PROD PRINTINGFABRIC. METAL PROD	MACH. & EQUIPT	FERT, PAINT, SOAP	CONSTRUCTION TRANSP,TRAVEL,ENT RADIO/TEL,TELEG. FPOWER WATER GAS	DISTRIBUTION SAUTO OPERATION FINANCE, R. E.	DWELLING SERVICES	TOTAL INTER.INPUT	TAXES SUBSIDIES NON-COMP. IMPORTS WAGES & SALARIES UNINCORP.BUSINC	HOUSEHOLD INCOME EDUCATION & HOSP PROVINCIAL REVENUE MI NICIPAL REVENUE FIEDERAL REVENUE	TOTAL PRIMARY	GROSS DOM. PROD.	TOTAL OUTPUT
		1 AGRIC, PR. 2 FORESTRY 3 PRIMARY I									34 TOT		43 EDUCA 44 PROVIN 45 ML NIC 46 FEDER		49 FACTO 80 GROSS 81 EMPLO	52 TOT

MODEL 1 ATLANTIC PROV., 1965 - OUTPUT AND SUPPLY FLOWS J.M (\$'000)

ACRICLLTURE 67834.8 9176.0 96275.0 18907.3 54235.0 48988.5 17555.5 18907.4 1407.5 18907.4 1407.5 18907.3 18907.4 1407.5 18907.4 1407.5 18907.4 1407.5 18907.4 1407.5 18907.4 1407.5 18907.4 1407.5 18907.4 1407.5 18907.4 1407.5 18907.4 1407.5 18907.4 1407.5 18907.4 1407.5 18907.4 1407.5 18907.4 1407.5 18907.4 1407.5 18907.4 1407.5 18907.4 18907.4 18907.5 18907.4 18907.5	1			AGRIC. PRODUCTS	FORESTRY	PRIMARY	METALS	COAL	NONMETALS, QUARRIES	MEAT,DAIRY & FRUIT	SEC. FISH PRODUCTS	MISC, FOOD PRODUCTS	S.DRINKS, DIST.BREW
PRIMATE PRIM	PRINTEGE Color C			1	2	m	4	NO.	9	7	œ	6	10
PRIMARY PERHANCE PROJECT PROJE	PRINATY ISHING	- (AGRICULTURE	162834.8	6289.0	1 1	1 1	1 1	1 1	1 1	1 1	1 1	1 1
NOTAL INFORMER NOTA	VALANCE VALA	1 m =	PRIMARY FISHING	1		96275.0	100012	1	4 1		1 1	8 8	1 1
NONMETALOURE NONDER PRINTED NONDER	MACHINE MACH	4 v	METAL MINING	: :	!!	1 1	100011.3	54235.0	1 1	1 6	1 1		1 1
MEALDARIN/FRUIT. 17,555.50 11,7	MACH ACREANCE 14258 11.7 17.55556 1807459 11.7 17.55556 17.44446 17.55556 17.44446 17.55556 17.44446 17.55556 17.44446 17.55556 17.44446 17.55556 17.44446 17.55556 17.44446 17.55556 17.44446 17.55556 17.44446 17.55556 17.44446 17.55556 17.44446 17.55556 17.44446 17.55556 17.44446 17.55556 17.44446 17.54546 17.545446 17.545	9	NONMETAL, QUARRIES	1	1	1	1	1	48988.5	1 1	1	; ;	*
##C. POUNS. NEARLY NEAR	Michael Printed Michael Pr	~	MEAT, DAIRY, FRUIT	[-	:	!	1	1	127555.6	180745 9	7.11	1 1
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PATTLESCLOTHING	The transfer of tran	10	S.DRINK, DIST, BREW	1	1	1	:	1	8 8	117.3	!	1 1	43245.6
SAWMILSWOOD PK. 1425.8	PUP-PARE & PUP. 14228	=	TEXTILES, CLOTHING	;	1 0	1	1	}	1	!	;	1	1
FOUNDAMEN & FOUNDAMEN FOUN	PRINTING	12	SAWMILLS, WOOD PR.	:	1425.8	1	1	1	4	1	4 \$	1	!
	ROASTREE MILLS	13	PULP-PAPER & PK	; ;	1 1	: :	; ;	1 1	1 1	:	1 1	: :	: :
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MACH. & COUPT. MACH. &	MACH. & EQUIPT.	16	METAL FABRIC		1	}	1	}	1	1	1	1	1
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DESTRIBUTION Color Material Color Mat	AUTO OPERATION BUSINESS SERVICES AUTO OPERATION AUTO OPERAT	26	RADIO, TEL, TELEG	-	:	1	}	: 1	1 1	: :	: :	: :	; ;
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DWELLING SERVICES DWELLING SERVICES Company of the com	DWELLING SERVICES	30	FINANCE, R. E.	}	1	ì	1	1	1	:	1	1	:
HOTELS,REST. HO	HOTELS,REST. HO	31	DWELLING SERVICES	;	1	1	;	;	}	;	;	;	1
PERSONAL SERVICES	PERSONAL SERVICES	32	HOTELS, REST.	1	1	}	:	1	1	1	:	1	1
TOTAL IMPORTS 162834.8 99430.7 96275.0 188077.3 54235.0 48988.5 128872.9 180745.9 124436.3 TOTAL IMPORTS 33139.3 2583.6 1605.0 6962.5 6946.0 89338.3 1200.0 41774.9 TOTAL IMPORTS 195974.0 102014.3 97880.0 195039.8 61181.0 48988.5 218211.1 181945.8 166211.1 TOTAL INTER.DEM. 59420.5 81242.4 92311.0 8824.6 20783.5 20362.3 17903.1 2201.0 32555.7 TOTAL INTER.DEM. 98633.3 -5222.2 5569.0 4981.4 17271.2 2507.8 195001.2 22329.5 97050.8 TOTAL EXPORTS 37919.7 25994.0 181233.7 23126.3 16211.6 18945.9 166211.0	TOTAL OUTPUT 162834.8 99430.7 96275.0 188077.3 54235.0 48988.5 128872.9 180745.9 124436.3 TOTAL IMPORTS 33139.3 2583.6 1605.0 6962.5 6946.0 89338.3 1200.0 41774.9 TOTAL INTER.DEM. 195974.0 102014.3 97880.0 195039.8 61181.0 48988.5 218211.1 181945.8 166211.1 TOTAL INTER.DEM. 59420.5 81242.4 92311.0 8824.6 20785.3 17901.2 2201.0 32555.7 TOTAL EXPORTS 37919.7 25994.0 - 181233.7 23126.3 2507.8 195001.2 22329.5 97050.8 TOTAL DEMAND. 195973.4 102014.1 97880.0 195039.6 61181.0 48987.9 218211.5 181945.9 166211.0	33	PERSONAL SERVICES	}	: :		; ;	: :	: :	: :	: :	: :	: :
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TOTAL SUPPLY 195974.0 102014.3 97880.0 195039.8 61181.0 48988.5 218211.1 181945.8 166211.1 TOTAL INTER.DEM. 59420.5 81242.4 92311.0 8824.6 20783.5 20362.3 17903.1 2201.0 32555.7 TOTAL EXPORTS. 37919.7 25994.0 - 181233.7 23126.3 26117.8 5307.3 157415.5 36604.6 TOTAL DEMAND. 195973.4 102014.1 97880.0 195039.6 61181.0 48987.9 218211.5 181945.9 166211.0	TOTAL SUPPLY 195974.0 102014.3 97880.0 195039.8 61181.0 48988.5 218211.1 181945.8 166211.1 TOTAL INTER.DEM. 59420.5 81242.4 92311.0 8824.6 20783.5 20362.3 17903.1 2201.0 32555.7 TOTAL INTER.DEM. 98633.3 -5222.2 5569.0 4981.4 17271.2 2507.8 195001.2 22329.5 97050.8 TOTAL EXPORTS. 195973.4 102014.1 97880.0 195039.6 61181.0 48987.9 218211.5 181945.9 166211.0	36	TOTAL IMPORTS	33139.3	2583.6	1605.0	6962.5	6946.0	!	89338.3	1200.0	41774.9	16195.7
TOTAL INTER.DEM. 59420.5 81242.4 92311.0 8824.6 20783.5 20362.3 17903.1 2201.0 32555.7 TOTAL DOM.FIN.DEM 98633.3 -5222.2 5569.0 4981.4 17271.2 2507.8 195001.2 22329.5 97050.8 TOTAL DOM.FIN.DEM 37919.7 25994.0 - 181233.7 23126.3 26117.8 5307.3 157415.5 36604.6 TOTAL DEMAND 195973.4 102014.1 97880.0 195039.6 61181.0 48987.9 218211.5 181945.9 166211.0	TOTAL INTER.DEM. 59420.5 81242.4 92311.0 8824.6 20783.5 20362.3 17903.1 2201.0 32555.7 TOTAL DOM.FIN.DEM. 98633.3 -5222.2 5569.0 4981.4 17271.2 2507.8 195001.2 22329.5 97050.8 TOTAL EXPORTS 37919.7 25994.0 181233.7 23126.3 26117.8 5307.3 157415.5 3604.6 TOTAL DEMAND 195973.4 102014.1 97880.0 195039.6 61181.0 48987.9 218211.5 181945.9 166211.0	37		195974.0	102014.3	97880.0	195039.8	61181.0	48988.5	218211.1	181945.8	166211.1	59441.3
TOTAL DEMAND	TOTAL DEMAND	38 39 40	Σ	59420.5 98633.3 37919.7	81242.4 -5222.2 25994.0	92311.0 5569.0	8824.6 4981.4 181233.7	20783.5 17271.2 23126.3	20362.3 2507.8 26117.8	17903.1 195001.2 5307.3	2201.0 22329.5 157415.5	32555.7 97050.8 36604.6	770.2 58631.8 39.2
		41	TOTAL DEMAND	195973.4	102014.1	97880.0	195039.6	61181.0	48987.9	218211.5	181945.9	166211.0	59441.2

MODEL 1 ATLANTIC PROV., 1965 - OUTPUT AND SUPPLY FLOWS J.M (\$'000)

		TEXTILES, CLOTHING	SAWMILLS, WOOD PR	PULP-PAPER & PROD.	PRINTING	IRON-STEEL PRODUCTS	FABRIC. METAL PROD	MACH. & EQUIPT.	TRANSP. EQUIPT.	ELECTRICAL EQUIPT.	NONMET: MINERAL PR
		Ξ	12	13	14	15	16	17	18	19	20
-	AGRICULTURE	1	1	B 0	1	1	;	;	1	i	1
7	FORESTRY	1	0.096	1	1 1	8 6	4 6	1	:	1	
~ ~	PRIMARY FISHING				1	!	:	3 6	0 0	;	;
4 4	METAL MINING	-	:	!	1	8 0	;	1	•	8 8	;
0 4	NONMETAL OTABBIES		1		1	1	:	19 8	1	;	
0 1	MEAT DAIDY EDILL	:		-		1 0	*	1	8	1	;
- 00	CECONDARY FIGHING	1		1	1	8 8	B	1	!	1	1
0	MISC. FOODS NES	: :	d 0	1 1	2 1	1		2 0	8	1	:
0	S.DRINK, DIST, BREW	:		25.8	: :	1 1	1 1	1 1	1	*	đ
=	TEXTILES, CLOTHING	37792.6	0 0	1	1	4	:		3 6	: :	F
12	SAWMILLS, WOOD PR	1	75042.1	1	:	1 1	!	-	!		:
3	PULP-PAPER & PR	25.8	•	270114.3	1	8 0	8	;	ŧ	0	
4	FEING	:	1	1	30530.0	1	1	8	0.00	1	0 0
0:	IRON-SIEEL MILLS	:	0 0	1	1	65849.6	:	1 0	1	1	4 1
20	MEIAL FABRIC	;	1	-	8 1	*	45925.2	141.4		•	î
/ 1	TRANSP EQUIP	1	1	1	:	;	91.5	15011.0	:	;	-
0 0	ELECTPICAL EQ	!	:	6 6	4 4		1	55.1	91807.3	1	;
200	DD	1	1 1	; 0	:	1	6 0	9,00%	!	22161.4	
27	DETROI FIIM REF	5	1	6.0	1	1 1	3 9	1	!	0 0	27089.9
2)	FERT PAINT SOAP	0 1	5 0	1	!			đ	1	\$ 2	1
23	MISC MANITE		1	8 17	!	:	1	3 0	•	*	;
24	CONSTRUCTION		1 1	: :		9 1	8	!	1	1	:
25	TRANSP, TRAVEL, ENT	1		1	}			: :	3 1	1	1
26	RADIO, TEL, TELEG	1	!	9.0	# 0	!	;		1 1		T 0
27	E.POWER, WATER, GAS	-	1	1	!	1	1	1 1	1	1	1 1
×:	DISTRIBL 110N	1	:	1	1	1	1	:	1	;	: :
29	AUTO OPERATION	*	1 1	1	;	1	2 6	5 5	!	;	: ;
30	FINANCE, R.E.	2 8	:	!	*	-	1	2 1	;	1	
31	DWELLING SERVICES	1	:	1 1	* 1	1	!	1	1	1	0 0
	DEDCOMAT CEDVICES	1	1	;	;	;	1	;	;	1	;
27	PERSONAL SERVICES	1	9 6	£ 1	1	1	1	E 0	W	1	Į.
î î	BOSINESS SERVICES		8 9	2	:	!	!	!	!	•	e II
35	TOTAL OUTPUT	37818.4	76002.1	270145.9	30530.0	65849.6	46016.7	16174.1	91807.3	22161.4	27089.9
36	TOTAL IMPORTS	113683.4	69915.2	16922.9	10597.8	20734.0	45825.6	305010.6	131733.4	37517.3	37730.8
27	TOTAL SIPPLY	1515017	1.45017 3	2 9 40 79 6	9 2 6 1 1 1 5 7 6	06602 6	010433	1 4 0 1 1 6 6		1	
		1 - 1 - 1 - 1		607000.0	0.77114	0.00000	7.74016	321184.7	7722777	59678.7	64820.6
30	TOTAL INTER DEM.	13841.5	85983.0	44021.1	20645.6	35132.4	82625.2	77910.9	31365.9	22652.8	63668.7
C	TOTAL FYPORTS		32261.6	237958.8		マストラード	5.956.7	4.4.4	43865.7	12178.7	424 0
77	TOTAL DIMAND	151501.2	145917.4	287069.1	41127.8	86583.8	91841.9	321184.4	223540.7	59678.7	64820 3

MODEL 1 ATLANTIC PROV., 1965 - OUTPUT AND SUPPLY FLOWS J.M (\$'000)

FINANCE, ON R.E.	30	:	4 0 0	8 8	1	:		1	:	1	1	***	2 S		:	:	**	:		:	1	!	:	1	;	:	1	:	1		7.100081	:	: :	!	06.0 185651.2	1561.0	06.0 187212.2	28.5 167073.6		05.8 187212.0	
OPERATION	29																													- 188406.0		4			188406.0		188406.0	5 49728.5		7 188405.8	
DISTRIBUTN	28	•			*	;	!	1	Ī	1		:	i	1	i	•	5	1			:	1	1	1	•	\$ 6	1	1000	428/68.2	•	•		1 1	'	458768.2	•	458768.2	101183.6	342584.1 15000.0	458767.7	
ELEC.POWER WATER,GAS	27	1	*	1	!	ŧ	;	:	:	!	***	ŧ.	1	8 6	}	!	:	1	1	!	:		1	:	:	:	1	114577.4	:	!	9 4	1	: :	1	114577.4	547.0	115124.4	53831.5	59054.5 2238.0	115123.9	
RADIO.TEL, TELEG.	26	:	1	# #	1	}	:	1	•	!	1	1	-	3 8	1	!	:	*	!	4 0	:	\$ 0	8 8	;	8 8	1 0	81796.1	‡	1	:	:	:	: :	ë ë	81796.1	:	81796.1	46661.7	35134,4	81796.1	
TRANSP, TRAVEL, ENT	25	!	:	1	*	8 9	1	1	*	8 8	:	:	1	:	!		!	:	:	!	:	1	8 0	1	5	473130.3	1	8	:	:	1	•	: :	3 8	473130.3	8 8	473130.3	257648.1	156542.9 58938.3	473129.3	
CON- STRUCTION	24	!	:	!	1 2	1	1	:	1	:	1	1	:	1	1	1	£ 0	1	8 8	1	8 0	;	1	1	737136.0	:	9 8	1	1	•	:	:	: ;	6 8	737136.0	:	737136.0	85776.8	651359.2	737135.9	
MISC. MFG. PROD.	23	8	!	0 0	;	;	1	:	1	1		1	1	:	1	1	1	1 !	86.7	3 8	1	:	:	9741.2	;	4 4	1	•	1	*	;	t ;	: :	*	9827.9	1558.5	11386.4	2401.0	6240.9 2744.2	11386.1	
FERT, PAINT & SOAP PR.	22	8 8	1	4 0	:	1	:	:	;	•	5.6	1	0 0	*	:	332.8	6 6	•	1	4 0	1	•	22630.6	;	;	4 0	!	1	:	1	*	8 8	: :	1	22969.0	15664.5	38633.5	27707.5	10114.0	38633.2	
PETROLEUM PRODUCTS	21	8 9	0 0	:	;	!	:	;	:	1	# #	8	1	1	1	172.5	4	1	0 2	:		129791.0	1	:	1	1	1	2 2	8 9	1	1	1	! !	;	129963.5	16060.8	146024.3	71158.1	73117.0	146024.2	
		AGRICULTURE	FORESTRY	PRIMARY FISHING	METAL MINING	COAL MINING	NONMETAL OUARRIES	MEAT DAIRY FRUIT	SECONDARY FISHING	MISC, FOODS, NES	S.DRINK, DIST, BREW	TEXTILES, CLOTHING	SAWMILLS, WOOD PR	PULP-PAPER & PR	PRINTING	IRON-STEEL MILLS	METAL FABRIC	MACH. & EQUIPT	TRANSP. EQUIPT.	ELECTRICAL EQ	NONMET.MINERAL PR	PETROLEUM REF	FERT, PAINT, SOAP	MISC. MANUF.	CONSTRUCTION	TRANSP, TRAVEL, ENT	RADIO, TEL, TELEG	E.POWER, WATER, GAS	DISTRIBUTION	AUTO OPERATION	FINANCE, R.E.	DWELLING SERVICES	DEPCONAL SERVICES	BUSINESS SERVICES	TOTAL OUTPUT	TOTAL IMPORTS	TOTAL SUPPLY	TOTAL INTER.DEM.	TOTAL DOM.FIN.DEM	TOTAL DEMAND	
		-	2	3	4	. 40	9	7	00	6	10	=	12	13	14	15	91	17	8	19	20	2.1	22	23	24	25	26	27	28	29	30	31	75	34	35	36	37	38	39	4	

MODEL 1 ATLANTIC PROV., 1965 - OUTPUT AND SUPPLY FLOWS J.M (\$'000)

TOTAL	35	1821377	92676.0	96275.0	188077.3	54235.0	48988.5	127567.4	181945.8	124424.6	27707 6	76467 9	270140.1	30530.0	66354.8	46066.5	15102.5	91949.2	23128.0	0.107071	0.187821	97412	737136.0	473130.3	81796.1	114577.4	428/68.2	185651 2	221966.2	71395.0	140510.4	75328.1	4735166.0	1024807.4	5759973.0	1750287.0	3023097.0 986440.8	5759824.0
BUSINESS SERVICES	34	!	1	1	;	1	;	:	1	†	:	: :	;	1	;	;	:	:	!	:	;	t †	;	1	1	1	1	: :	:	1	;	75328.1	75328.1	1	75328.1	56313.9	13010.9	75328.0
PERSONAL SERVICES	33	;	;	1	;	1	1	1	:	1	* *	: :	1	:	1	1	1	;	1	:	:	: ;	1	1	;	;	!	1 1	;	3 1	140510.4	-	140510.4	;	140510.4	7352.8	133157.6	140510.3
HOTELS. REST.	32	;	1	1	1	;	:	:	:	1	: 1	: :	1	:	;	1	•	:	:	:	1	: :	1 2	;	;	:	1 1	! !	1	71395.0	1	1	71395.0	1	71395.0	9353.9	62041.1	71394.9
DWELLING SERVICES	31	130140	1	*	;	;	‡	1	:	:	1	: :	1	;	{	:	:	1	3 3	:	1	: :	1	;	;	;	1	}	221966.2	;	1	4	234980.2	;	234980.2	1 9	234980.2	234980.2
		AGRICIII THRE	ORESTRY	PRIMARY FISHING	METAL MINING	COAL MINING	NONMETAL, QUARRIES	MEAT, DAIRY, FRUIT	ECONDARY FISHING	MISC. FOUDS, NES	TEXTILES OF THING	SAWMITS WOOD PR	PULP-PAPER & PR	PRINTING	IRON-STEEL MILLS	METAL FABRIC	MACH. & EQUIPT	TRANSP. EQUIPT.	ELECTRICAL EQ.	NONMELIMINERAL FR	FEIROLEUM KEF	MISC MANIFE	CONSTRUCTION	TRANSP, TRAVEL, ENT	RADIO, TEL, TELEG	E-POWER, WATER, GAS	DISTRIBUTION	FINANCE & E	DWELLING SERVICES	HOTELS, REST.	PERSONAL SERVICES	BUSINESS SERVICES	TOTAL OUTPUT	TOTAL IMPORTS	TOTAL SUPPLY	TOTAL INTER.DEM.	TOTAL DOM.FIN.DEM	'TOTAL DEMAND
			2 F			_																								32			35	36	37		39	41

1		AGRI- CULTURE	FORESTRY	PRIMARY	METAL	COAL	NONMETALS, QUARRIES	MEAT, DAIRY & FRUIT	SECONDARY	MISC. FOODS, NES	S.DRINKS, DIST,BREW
		cont	81	m	7	in	9	٢	œ	6	10
	AGRIC. PRODUCTS	2993.0 1407.8	01.7	1 1 1	1 1 1	839.5	1 1 1	53051.7	303.4 8.7 92311.0	2275.9	: : :
	METALS COAL NONMETAL, QUARRIES MEAT DAIRY FRUIT	1411.0	21.1	787.5	42.8	1 1 1 1	88.2	32.4 17.5 14302.2	30.7 268.3 578.5	2.1	4.3
	SEC. FISH PRODUCTS MISC. FOOD PROD. S DRINK DIST BREW	23278.2		1699.5	: : :	1 1 1	1 1 1	31.5 1398.3 40.9	216.6	4918.5	2489.5
	TEXTLES, CLOTHING SAWMILL, WOOD PROD PULP-PAPER & PROD	719.0 168.0 680.0	36.6	4028.2 2292.6	1004.3	861.0	124.4	163.8 349.7 4965.6	136.3	513.3	135.5
	PRINTING. IRON-STEEL PROD. FABRIC METAL PROD MACH. & EQUIPT.	2905.0 2663.0	698.2	16.8 1814.6 4538.5	29.2 1087.1 2913.7 17384.1	28.8 1530.8 952.2 4458.4	25.9 3.8 1523.9 1387.7	1007.7	23.	2/9.3 9.6 26.5 1216.8	247.8 903.7 727.3
	TRANSP. EQUIPT ELECTRICAL EQ NONMET.MINERAL PR	1208.0 3424.0	102.6	1738.6 236.0 5189.9	5.5 64.5 6091.0	419.1	41.8	679.9	1042.3	188.2 4.3 1274.1	0.2 489.1
	FERT, PAINT, SOAP MISC. MFG. PROD CONSTRUCTION	10766.0	1587.0	690.4 690.6 443.6	202.3	886.0	242.0	100.2		526.2	285.7
	TRANSP,TRAVEL, ENT RADIO, TEL, TELEG. E. POWER, WATER, GAS. DISTRIBUTION	5210.0 766.0 1133.0 4333.0 8876.0	1235.2 1066.0 107.6 636.2 559.3	3649.2 343.6 1926.2 515.7	9844.6 308.2 11498.1 2406.9 985.4	1382.9 81.0 8268.1 676.8	2225.7 140.7 1055.0 388.0 573.1	7695.0 498.1 1081.4 4408.2 26.9	8840.7 1079.0 1708.5 1276.8	7285.4 783.1 657.5 3795.8 42.7	2024.4 370.3 553.0 748.2 40.0
	PINANCE REDUCES	8997.0	1742.5	3984.2	653.9	570.0	371.4	1476.0	1764.5	1488.0	817.8
	BUSINESS SERVICES TOTAL INTER.INPUT	1683.0 87884.9	145.0	34080.7	3073.6	475.8	543.4	95454.8	1804.7	35996.6	1325.6
	SUBSIDIES	5506.0 -5900.0 1358.0	6241.0	2773.2 -689.4 540.3	6520.1	978.0	1266.6 -96.9 899.3	1097.9	3283.4	47236.4	979.5
	WAGES & SALARIES. UNINCORP.BUS.INC. PROFIT,RENT.INT. HOUSEHOLD INCOME.	18334.0 57461.0 3428.9 14065.0 79136.9	40794.3 15979.8 10172.9 6778.9 64226.0	20390.3 20597.5 6732.5 5849.7 53431.3	44346.4 41681.4 22309.7 44881.3	34232.2 -857.0 3131.0 33162.2	11226.0 7677.4 13046.9 3628.4 22818.2	280.0 280.0 6651.0 2124.2 22905.5	3245.0 3245.0 10660.7 3992.0 46686.1	2011.5 2011.5 13209.5 3578.0 26709.5	8820.0 33.9 12959.6 2228.6 15943.6
	EDUCATION & HOSP	-562.0 5355.0 -5100.0 1358.0	6241.2 71.5 505.5 2268.5	2701.5 115.7 -444.2 540.3	4658.1 1774.0 3230.0 49402.9	538.0 350.0 90.0 830.3	1141.3 464.0 1996.0 7601.8	846.7 551.6 1385.5 4298.4	1056.6 1582.0 2205.4 3283.4	979.9 600.3 2675.2 53885.1	943.4 495.7 2892.6 7246.6
	TOTAL PRIMARY	94252.9	80091.5	62194.3	126255.9	38101.5	37649.7	32111.9	58805.5	88427.8	29750.5
	FACTOR INCOMES GROSS DOM. PROD EMPLOYMENT	79223.9 92894.9 29500.0	66947.1 79967.1 11700.0	53720.5 61654.0 29500.0	86227.7 115057.6 6650.0	33375.2 37484.2 7101.0	31952.3 36750.4 2302.0	26414.8 29636.9 5436.0	49455.7 55522.1 13815.0	36468.5 41191.6 5634.0	21813.5 25021.6 1945.0
	TOTAL OUTPUT	182137.8	92676.0	96274.9	188077.1	54235.0	48988.4	127566.4	131945.3	124424.3	43394.1

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431.6 -22965.8 55990.7 - 0.7 3273.4 - 0.7 3273.4 - 0.7 3273.4 - 0.7 3273.4 - 0.7 87.5 - - 188.8 - - 188.8 - - 188.8 - - 188.8 - - 188.8 - - 188.8 - - 188.8 - - 188.8 - - 188.8 - - 188.8 - - 188.8 - - 188.9 - - 186.9 - - 186.9 - - 186.9 - - 186.9 - - 188.6 - - 188.6 - - 188.6 - - 188.7 - - 188.6	**	15	91	11	18	19	20
50.9 50.9 50.9 50.9 60.7 5127.5 87.5 88.8 5127.5 546.6 156.5 1053.7 1058.8 1058.8 1058.8 1059.8	1 1 1	5 0 I	0.2	1.0	6.7	0.2	21.6
50.9	2.0	8824.6	22.7		177.4		54.4
5127.5 546.6 156.5 8.6 4927.2 6223.1 18.6 4927.2 6223.1 27.3 23.7 47.0 27.3 3.3.5 363.5 1053.7 1876.7 2350.1 1053.7 1876.7 2350.1 252.6 27.7 288.5 252.6 27.7 27.7 252.6 27.7 27.7 252.6 27.1 27.7 252.6 27.1 27.7 252.6 27.7 27.7 252.6 27.7 27.7 453.5 1180.1 27.7 454.9 1145.5 1445.5 453.5 1180.1 27.7 453.5 1180.1 27.7 448.3 1861.9 1597.3 448.3 1861.9 1597.3 448.3 1861.9 1597.3 448.3 1861.9 1597.3 11098.4 40601.6 137147.8 11098.4 40601.6 13749.4 11098.4 4053.6 <td>: :</td> <td></td> <td>45./</td> <td>: :</td> <td>6 6 6</td> <td>B 5</td> <td></td>	: :		45./	: :	6 6 6	B 5	
5127.5 546.6 156.5 8.6 4927.2 623.1 313.1 63.1 15612.0 27.3 33.5 186.4 53.5 363.5 186.4 1053.7 1876.7 2350.1 1053.7 1876.7 2350.1 298.5 1876.7 2350.1 252.6 271.6 277.7 252.6 271.6 277.7 453.5 1180.1 27.7 453.5 1180.1 27.7 453.5 1143.5 10941.2 454.9 1143.5 10941.2 454.9 1143.5 10941.2 454.9 1143.5 10941.2 454.9 1143.5 10941.2 454.9 1143.5 1597.3 454.9 1143.5 1597.3 454.9 1163.6 1597.3 454.9 1163.6 1597.8 1098.9 1107.5 2553.7 11098.4 2058.2 62170.8 11098.4 4663.6 62170.8 12015		I I	1 1	0 0 0	8 E	† †	17.8
8.6	10.9	1 1 ;	0.2	* *	34.7	1-1	: :
27.5 25.7 184.0 1053.7 1876.7 2350.1 1053.7 1876.7 2350.1 298.5 1876.7 2350.1 252.6 271.6 277.7 252.6 271.6 277.7 252.6 271.6 277.7 453.5 1180.1 27.7 453.5 1180.1 27.7 453.5 1143.5 10941.2 454.9 1143.5 10941.5 458.3 1861.9 1597.3 46.8 20.5 32.0 46.8 1861.9 1597.3 48.3 1861.9 1597.3 48.3 1861.9 1597.3 48.3 1861.9 1597.3 48.4 40601.6 137147.8 11098.4 20582.0 62170.8 11098.4 20582.0 62170.8 11098.4 6536.6 62170.8 12015.1 28947.0 6356.5 172.0 638.2 1641.3 172.0 638.2 1641.3 172.	0.11.6	4.4 4.4	107.7	32.4 9.2	1977.2	27.8	774.7
1653.7 1876.7 2350.1 165.7 242.8 7145.7 252.6 271.6 578.3 252.6 271.6 578.3 2107.3 2885.1 1445.8 454.9 1143.5 10941.2 1223.6 1275.0 9086.9 6.8 20.3 1861.9 1597.3 28.4 34.3 1861.9 1597.3 389.2 1107.5 2553.7 13047.4 40601.6 137147.8 8865.0 516.0 17145.4 11098.4 20582.0 62170.8 275.8 6536.6 37449.4 93.2 24445.0 35867.0 132992.0 24745.0 35867.0 132992.0	51.7	7.4	7074.7	701.7	1179.8	11.3	179.9
165.7 542.8 7145.7 745.8 745.8	317.4	2021.7	1015.1	356.2	545.5 12546.2	1095.7	907.9
165.7 542.8 7145.7 298.5 1180.1 27.7 252.6 271.6 578.3 2107.3 2885.1 14568.0 453.5 362.6 1456.5 454.9 1143.5 10941.2 1223.6 1275.0 9086.9 6.8 20.5 10941.2 46.8 1861.9 1597.3 48.3 1861.9 1597.3 28.4 34.3 23.7 541.7 257.0 4513.9 13047.4 40601.6 137147.8 389.2 1107.5 2553.7 275.8 463.6 62170.8 11098.4 20582.0 62170.8 275.8 463.6 37449.4 93.2.5 2461.3 13672.8 172.0 638.2 2447.0 172.0 638.2 2449.4 172.0 638.2 2449.4 172.0 638.2 1615.4 172.0 638.2 1615.4 172.0 638.2 1615.4 172.0 </td <td>1 1</td> <td>1809.7</td> <td>6.3</td> <td>: :</td> <td>931.0</td> <td>1145.5</td> <td>2785.1</td>	1 1	1809.7	6.3	: :	931.0	1145.5	2785.1
252.6 271.6 578.3 453.5 10208.0 453.5 362.6 14268.0 1448.3 1143.5 10941.2 1456.5 453.5 1143.5 10941.2 1275.0 9086.9 6.8 20.3 32.0 448.3 1861.9 1597.3 32.0 448.3 1861.9 1597.3 28.4 257.0 4513.9 11098.4 2655.0 17145.4 11098.4 2663.6 62170.8 12015.1 28947.0 65295.7 1172.0 638.2 2437.6 570.1 10588.8 1374.2 8371.0 10588.8 1742.4 41599.6 24745.0 35867.0 132992.0 24745.0 35867.0 358	108.4	1830.7	329.7	87.3 261.3	329.4 978.4	104.6	1241.4
453.5 362.6 1456.5 454.9 1143.5 10941.2 1223.6 1275.0 9086.9 26.8 1861.9 1597.3 448.3 1861.9 1597.3 28.4 34.3 23.7 541.7 257.0 4513.9 13047.4 40601.6 137147.8 8865.0 516.0 17145.4 11098.4 20582.0 62170.8 275.8 4663.6 62170.8 12015.1 28947.0 65295.7 172.0 638.2 2449.4 932.5 1374.2 41599.6 279.1 1742.4 41599.6 24745.0 35867.0 132992.0 24745.0 35867.0 132992.0	127.8	3721.9	149.9	17.5	195.8	120.4	195.1
1223.6 1275.0 9086.9 6.8 20.5 1832.0 448.3 1861.9 1597.3 28.4 34.3 23.7 541.7 257.0 4513.9 13047.4 40601.6 137147.8 8865.0 516.0 17145.4 11098.4 20582.0 62170.8 275.8 4663.6 37449.4 93.2.5 2461.3 13672.8 172.0 638.2 2437.6 775.5 1374.2 41599.6 24745.0 35867.0 132992.0	216.8	277.8	318.8	217.7	470.1 640.9	202.1	238.3
CER RE EL MAR JAN JANA 1861.9 1597.3 JING SER VICES 28.4 34.3 23.7 AL SER VICES 28.4 257.0 4513.9 SS SER VICES 28.4 257.0 4513.9 ISS SER VICES 38.9.2 1107.5 2553.7 IES MAPORTS 8865.0 516.0 17145.4 OMP. IMPORTS 8865.0 516.0 17145.4 OMP. IMPORTS 11098.4 20582.0 62170.8 ORP. BUSINC 275.8 466.3 37449.4 CIATION 3184.1 6536.6 37449.4 CIATION 12015.1 28947.0 65295.7 INCOME 172.0 638.2 2437.6 ITAL REVENUE 172.0 638.2 2437.6 AL PRIMARY 24745.0 35867.0 132992.0 AL PRIMARY 24745.0 35867.0 132992.0	304.5	1735.0	1967.2	456.0	3553.8	586.3	1052.6
S, REST. 28.4 34.3 23.7 AL SERVICES 541.7 257.0 4513.9 SS SERVICES 389.2 1107.5 2553.7 ML INTER.INPUT 389.2 1107.5 2553.7 JES. 389.2 1107.5 2553.7 JES. 389.2 1107.5 2553.7 JES. 389.2 1107.5 2553.7 JES. 4663.6 2170.8 1175.4 JORP BUS.INC 275.8 4663.6 37449.4 JORD BUS.INC 3184.1 65295.7 13672.8 HOLD INCOME 172.0 638.2 2449.4 TIATION 172.0 638.2 1615.4 AL REVENUE 172.0 638.2 1615.4 AL REVENUE 177.0 638.2 1615.4 AL LAKAGE 177.2 1742.4 41599.6 AL PRIMARY 24745.0 35867.0 132992.0 R INCOMES 14558.3 31782.2 99620.1	406.6	179.5	889.7	364.9	930.6	701.2	254.6
AL INTER.INPUT 13047.4 40601.6 137147.8 AL INTER.INPUT 389.2 1107.5 2553.7 HES. 389.2 1107.5 2553.7 HES. 8865.0 516.0 17145.4 109R. BUS.INC 275.8 4663.6 37449.4 10APD INCOME 3184.1 6463.6 37449.4 10ALD INCOME 12015.1 28947.0 65295.7 11ATION 41050.8 172.0 638.2 11AL REVENUE 279.1 172.0 638.2 11AL REVENUE 757.5 1374.2 8371.0 10588.8 1742.4 41599.6 AL PRIMARY 24745.0 35867.0 132992.0 14558.3 31782.2 99620.1 1	16.1	20.0	57.7	10.5	41.4	18.0	3.4
JES. 389.2 1107.5 2553.7 JES. JUPORTS 389.2 1107.5 2553.7 JOMP, IMPORTS 8865.0 516.0 17145.4 JES. 11098.4 20582.0 62170.8 JES. 4663.6 3749.4 JES. 4663.6 3749.4 JES. 12015.1 28947.0 65295.7 JES. 172.0 638.2 2437.6 JES. 172.0 638.2 2437.6 JES. 172.0 638.2 1615.4 AL REVENUE 757.5 1374.2 41599.6 AL PRIMARY 24745.0 35867.0 132992.0 R INCOMES 14558.3 31782.2 99620.1	7828.0	35790.8	23259.4	4592.6	38776.0	6301.9	12767.8
88650 11098.4 275.8 4663.6 3184.1 653.6 37449.4 932.5 12015.1 172.0 172.0 172.0 173.9 174.4 175.5 177.0 1	442.6	1079.7	655.3	231.9	922.5		286.5
275.8 4662.6 3749.4 31782.2 99620.1	260.9	3746.4	3639.5	2049.0	13055.4	2961.8	120.0
12015.1 28947.0 65295.7 172.0 638.2 2437.6 175.5 1374.2 8371.0 10588.8 1742.4 1599.6 24745.0 35867.0 132992.0 24745.8 31782.2 99620.1			116.9	99.5	501.2	1033.3	74.2
172.0 638.2 2437.6 279.1 703.9 1615.4 757.5 1374.2 8371.0 10588.8 1742.4 41599.6 24745.0 35867.0 132992.0		2217.0 22903.1	2104.0	426.5	2756.6	1234.7	2418.6 9408.4
		103.0	154.7	173.2	389.5		324.4
24745.0 35867.0 132992.0 2 14558.3 31782.2 99620.1	375.8 775.8 1956.0	-580.9 -4948.4	518.2 3893.5	155.4 388.8 2264.0	768.0 1278.1 15654.0	67.7 1116.9 6665.9	154.9 820.1 611.2
14558.3 31782.2 99620.1	2702.0	30564.3	22807.2	6.60501	53173.0	16826.1	14327.6
5351.0 115846.6 6569.0 10103.0	19435.4 20441.1 3078.0	24514.1 26817.9 3755.0	16408.4 19167.7 2993.0	7802.5 8460.9 1272.0	36438.5 40117.6 6757.0	12483.2 13864.3 1486.0	11502.5 14207.6 1625.0
TOTAL OUTPUT 37792.4 76468.5 270139.7 30529	30529.9	66355.1	46066.5	15102.5	91948.9	23128.0	27095.3

		PETROLEUM REF.	FERT, PAINT & SOAP	MISC. MANUF.	CON- STRUCTION	TRANSP, I'RAVEL,ENT	RADIO,TEL, TELEG.	ELEC.POWER WATER,GAS	DISTRIBUTN	AUTO	FINANCE, R.E.
		2 11	22	23	24	25	26	27	28	29	30
-	AGRIC, PRODUCTS		}	57.2	215.8	1	1	;	10.2	1	ŀ
22	FORESTRY PRODUCTS	1 1	1 1	1 1	1 1	1 1	; }	1	: :	1 1	: :
44	METALS		3.0	1 1	1 1	174.1	1 1	10866.3	1 1	1 1	1 1
100	NONMETAL QUARRIES		42.5	5.1	14956.7	93.0	1 1	1 1	: :	1 1	1 1
- 00	SEC. FISH PRODUCTS		17.0	5			1	1	1		l f
6 0	MISC. FOOD PROD.		1 1	F - I	: :	: :	: :	1 1	1 1	: :	: :
= 2	TEXTILES, CLOTHING	C	2.5	227.3	809.6	92.2	87.3	12.0	911.4	1 1	441.7
2 2 2	PULP-PAPER & PROD	4	0.189	196.5	2687.9	370.6	701.9	302.0	1211.8	1 1	10664
12	IRON-STEEL PROD.		457.3	7.0	21380.7	1298.1	26.5	0.686	54.4	93.6	1 1
2 7 0		503.3	508.2	170.2	15650.4	147.9	101.6	605.3	4457.0	901.1	3515.9
61	ELECTRICAL EQ.	1			17777.4	85.0	779.2	144.3	8.8	1	1
20	PETROLEUM PROD.	201.0	156.0	24.2	5,7004.3	26124.4	5.1	6431.4	2267.1	1 1 7 7 6	61.5
22	FERI, PAINI, SUAP	1 1	1453.7	1/9.3	93/4.0	149.0		5.2	40.7		1 1
24	CONSTRUCTION TRANSPITRAVEL ENT	954.0	123.2	57.0	496.0	9294.2 28987.3	2294.2		1696.8 40103.5	1517.9 6052.7	2781.0 4266.9
26	RADIO, TEL, TELEG		114.5	110.8	748.5	6230.1	907.5		8263.8		1939.3
786	DISTRIBUTION	2482.8	422.2	199.5	37109.4	10338.5	291.6	1081.2	3922.1		961.0
30	FINANCE, R.E.	1958.0	430.4	178.5	35612.0	23836.1	4023.0		25038.2	15915.9	12849.9
32	DWELLING SENVICES HOTELS, REST. PERSONAL SERVICES		1 1 4.6	5.3	218.0	9353.9	168.0	79.0	1190.6	1 1	272.4
34	BUSINESS SERVICES	406.9	279.7	151.8	8806.0	4304.4	1759.1	468.0	13221.7	1228.3	2807.0
35	TOTAL INTERINPUT	14343.1	8.7799	3394.4	396236.1	174527.8	16521.6	34034.7	107457.4	28530.9	31301.9
36	TAXES	322.0	229.1	192.8	15874.0	22247.9	2061.3	2653.9	5792.1	20377.2	25099.5
38	NON-COMP. IMPORTS.	93258.7	6406.0	1136.3	31759.5	4116.6	1986.1	732.3	6464.1		6963.9
40	UNINCORP.BUS.INC.	12831.3	5089.5	198.3	20900.0	19203.6	3750.8	37797.9	52894.6	17800.0	48799.1
42	DEPRECIATION HOUSEHOLD INCOME		798.1	274.8	13650.0	57517.4	12514.8	20856.0	22667.9		14001.2
44	EDUCATION & HOSP		280.0	840	91656	222525	10000		61610		7307 3
944	MUNICIPAL REVENUE	2680.4	124.9	265.5	4147.0	1677.5	3071.4	2078.0	4103.1	4896.0	18243.4
64	TOTAL PRIMARY	115447.9	15952.8	6346.5	340899.4	298602.4	65274.6		351310.6	_	154349.3
50 51 52	FACTOR INCOMES	17927.4 22189.4 693.0	8519.6 9546.8 643.0	4742.6 5210.2 880.0	279615.9 309139.9 56325.0	238906.5 294485.6 48240.0	48712.4 63288.5 9300.0	61118.2 79810.4 4472.0	316386.5 344846.3 73550.0	81437.4 109446.4 17300.0	108284.6 147385.4
53	TOTAL OUTPUT	129791.1	22630.6	9740.9	737135.4	473130.1	81796.1	114577.4	458767.9	188405.9	185651.2

MODEL 1 ATLANTIC PROV., 1965 - INPUTS AND DEMAND FLOWS B, D, E (\$'000)

PROVINCIAL GOVT.	40	195.6	1 :	40.0	249.3	64.0 96.0	2 1	203.0		3914.0	95.0	714.0	0.09	1793.0	140.0	14060.0	17733.2	1809.0	437.0	3337.0	1	364.0 5065.1	80248.1	i	1043.0	60980.4	46798.0		78278.4	: :	: :	33443.0	11721.4	107778.3	0.0012	291969.5
PRO																1							200			9	4		7			3	past past	00-	- 0	53
FED. GOVT. CIVIL	39	186.6	1	181.3	330.5	83.2		230.9	0.3	41.2	105.4	1526.0	942.3	885.3	237.3	50856.0	5000.0	786.5	341.3	832.2	1	286.2 1400.1	83275.6	B P	12980	131494.0	8 6 8	1 9	131494.0	8 8	; ;	1298.0	132791.9	131494.0	0.00262	216067.6
FED. GOVT. DEFENCE	38	01.1		2123.3	1417.0	144.5 297.8		986.0	100	0.00	668.0	15219.5	6830.0	1914.6	192.3	18345.0	798.1	31870	471.1	23.7	1 1	334.4	63533.7	;	2006.3	141641.0	! !	1 0	141641.0	†	; ;	2006.3	143647.3	141641.0	307160	6.081/07
INVENTORY	37	-5214.0	4981.4	2505.9	599.0	742.0	05.3	304.8 1556.2	-138.4	-527.1	732.0	172.5	-125.5	-73.7	-630.5		: :	0 0	1	1 1	1	: :	-2035.9	1	6 6 E	;	1 1	1	: :	;	: 1	1	* *	8 (6 3 (8	2025 0	V.CC02-
CAPITAL FORMATION	36	1 1 1	;	: :	:	: :	0 0	: :		2 8	2127.0	11827.0	550.0	1	1 1	373696.2	1 1	1 1	0 0	: :	!	; ;	609720.2	1	; ;	\$ *	* 6 8 8	1 2	Ø 8 8 8	Đ d	: ;	;	g g	1:1	6097707	7.07/200
PERSONAL CONS.	35	102038.9 1792.8 5569.0		897.4	187534.4	96147.8	58546.5	22494.0	5100.0		; ;	104063.5	15990.4	64668.0	9200.0		31197.5	40679.5	135538.0	234980.2	61295.2	3948.7	1928869.0	308812.1	201086.0	*	1 1	1	18442.8	133151.4	147944.3	201086.0	509898.1	308812.1	2438767 0	01/01/01/4/7
BUSINESS SERVICES	34	1 1 1	1	: :		: :	*	: :	5.5	0.000	312.8	, , , , , , , , , , , , , , , , , , ,	114.0	153.4	762.0	2049.0	13229.4	508.0	34.8	2312.3	2 70	157.0	35809.0	4788.5	1249.4	17418.1	7736.0	1022.7	7.4.6.700	3738.0	743.8	2940.6	39519.1	32971.1 38269.7 6745.0	75327 9	10000
PERSONAL	33	111	į	: 1	328.0	48.0	107 3	531.5	2.44.4	2 1 1	278.0		453.0	196.2	263.9	1095.0	932.7	1733.3 996.6	179.0	/200./	0 600	533.5	21475.6	0.098	4148.4	58172.1	14718.5	2965.0	1:107001	438.5	1465.5		119034.9	111061.4 114886.4 35600.0	140510.5	
HOTELS, REST.	32	:::	7063	7.064	: :	1 1	107 4	2500.0	352.1	9 1	1525.0		: :	2224.7	101.9	1160.0	1650.9	3385.7 955.3	127.5	C.000C	1967 3	2763.8	28001.1	4479.0	457	17964.0	4227.8	3463.0		1989.5		7.7027	43393.9	33994.1 41936.1 11500.0	71394.9	
DWELLING SERVICES	31	}	1 1					3	1 1	2 2	: :	1	8 0	*	: :	37000.0	1	1 1	20003		0 0		39909.3	43618.0	; ;	1 1	83643.1	71980 4		436180	100000	11002.8	182056.8	83643.1 182056.8	221966.1	
		AGRIC. PRODUCTS	METALS	NONMETAL, QUARRIES.	MEAT, DAIRY, FRUIT.	MISC. FOOD PROD.	S.DKINK, DIST, BREW	SAWMILL, WOOD PROD	PULY-PAPER & PROD PRINTING	IRON-STEEL PROD	FABRIC, METAL PROD MACH, & EQUIPT.	TRANSP. EQUIPT.	NONMET MINERAL PR	PETROLEUM PROD	MISC. MFG. PROD.	CONSTRUCTION TRANSP.TRAVELENT	RADIO, TEL, TELEG.	E.POWEK, WALEK, GAS	AUTO OPERATION	DWELLING SERVICES	HOTELS, REST.	BUSINESS SERVICES	TOTAL INTERINPLT	TAXES	NON-COMP. IMPORTS.	WAGES & SALARIES	PROFIT, RENT, INT.	HOUSEHOLD INCOME	EDUCATION & HOSP	PROVINCIAL REVENUE	FEDERAL REVENUE	IMPORT LEARAGE	TOTAL PRIMARY	FACTOR INCOMES GROSS DOM. PROD. EMPLOYMENT.	TOTAL OUTPUT	
		-26		9	~ 00	000	>															34	35	36								0 0		50 52	53	

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TOTAL	49	195973.3 102014.1 195039.6 61181.0 195039.6 61181.0 181945.9 166210.9 59441.2 151501.2 145917.3 287069.1 471129.3 146024.1 38633.2 11386.1 38633.2 11386.1 38633.2 11386.1 737135.9 4731129.3 146024.1 38633.2 115123.9 4731129.3 146024.1 38633.2 115123.9 4880.2 731135.9 4731129.3 140510.0 55995.3 1906607.0 289470.4 615729.2 1906607.0 289470.4 615729.2 197870.3 244380.2 733106.1 107072.8 197879.8 818097.9
TOTAL INTER.DEM.	84	\$9420.5 81242.4 92311.0 8824.6 20783.5 20783.1 17903.1 22010.0 32555.7 770.2 13841.5 85983.0 44021.1 27010.9 31365.9 22663.6 82625.2 77910.9 31365.9 24010.9 82625.2 771188.1 27107.5 85776.8 24010.9 175048.1 167073.6 9353.9 7352.8 56313.9 1750405.0 184998.4 336927.7 184994.0 2289470.4 53811.5 187996.5 187996.5 1870402.0 99554.6 99554.6 99554.6 2984753.0
TOTAL	47	25994.0 25994.0 181233.7 23126.3 26117.8 5307.3 39.2 20135.8 32261.6 237958.8 32261.6 237958.8 32261.6 237958.8 32261.6 237958.8 32261.6 237958.8 32261.6 2237958.8 58938.3 58938.3 58938.3 58938.3 58938.3 58938.3 58938.3 58938.3 58938.3 58938.3 58938.3 58938.3 58938.3 58938.3 58938.3 58938.3 58938.3 58938.3 58938.3 57769.0 6003.2
EXPORTS- CANADA	46	23170.6 4712.8 223500.3 22807.6 14099.5 3216.8 416.8 416.8 9044.1 40230.7 1137.9 9044.1 40230.7 1175.7 1775.7 228.
EXPORTS- FOREIGN	45	14749.1 21281.2 157733.4 318.7 12018.3 12018.3 12018.3 1241.5 197728.1 197728.1 196.2 196.2 1249.1 482.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6
TOTAL DOM. FINAL DEM.	44	98633.3 -5222.2 5569.0 4981.4 147271.2 2507.8 195001.2 2507.8 11724.0 27050.8 5089.2 20401.1 3857.1 3857.1 24339.2 148309.1 242319.2 148309.1 243319.2 148309.1 265139.2 156542.9 3817.0 10114.0 62444.4 39054.5 3023121.0
HOSPITAL	43	8.9 8.9 8.9 8.9 8.9 8.9 8.9 8.9 8.9 8.9
EDUCATION	42	453.0 42.0 42.0 42.0 42.0 42.0 116.0 66.0 46.3 3908.0 273.0 287.0 358.1 366.0 366.0 366.0 366.0 366.0 366.0 366.0 366.0 366.0 366.0 366.0 366.0 366.0 366.0 366.0 366.0 366.0 366.0 1192.0 287.0 366.0
MUNICIPAL GOVT.	41	68.0 105.0 105.0 1387.0 1387.0 1387.0 240.0 387.0 387.0 387.0 387.0 387.0 1215.0 1215.0 1750.0 1750.0 1750.0 1750.0 1760.0
		FORESTRY PRODUCTS FORESTRY PRODUCTS PRIMARY FISH METALS COAL NONMETAL QUARRIES NONMETAL QUARRIES MEATDAIRY, FRUIT SEC. FISH PRODUCTS MISC. FCOOD PROD S.DRINK, DIST.BREW TEXTILES, CLOTHING S.DRINK, DIST.BREW TEXTILES, CLOTHING SAWMILL, WOOD PROD PULP-PAPER & PROD PULP-PAPER & PROD RAON-STELE PROD MACH. & EQUIPT TRANSP. TEALEG CONSTRUCTION MISC. MFG PROD MISC. MFG PROD MISC. MFG PROD MACH. & EQUIPT TRANSP. TEALEG ELECTRICAL EQ NONMET.MINERAL PR. PETROLEUM PROD MACH. & EQUIPT TRANSP. TRAVEL.ENT TRANSP. TRAVEL.ENT TRANSP. TRAVEL.ENT RADIO, TEL. TELEG E. POWER, WATER, GAS DISTRIBUTION FINANCE, R.E. DWELLING SERVICES DWELLING SERVICES BUSINESS SERVICES BUSINESS SERVICES BUSINESS SERVICES TOTAL INTERLINPUT TAXES. SUBSIDIES NON-COMP. IMPORTS WAGES & SALARIES NON-COMP. IMPORTS WAGES & SALARIES DEPRECIATION HOUSEHOLD INCOME HOUSEHOLD INCOME EMPLOYMENT TOTAL PRIMARY

APPENDIX II

OUTPUT AND SUPPLY FLOWS AND INPUT AND DEMAND FLOWS, 1960



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MODEL 1 NFLD., 1960 - OUTPUT AND SUPPLY FLOWS J.M (\$7000)

ARKCULTURE			AGRIC. PRODUCTS	FORESTRY PRODUCTS	PRIMARY FISH	METALS	NONMETALS, QUARRIES	MEAT,DAIRY & FRUIT	SEC. FISH PRODUCTS	MISC. FOOD PRODUCTS	S.DRINKS, DIST,BREW	TEXTILES, CLOTHING
AGENTITURE CORE NOT CORE NO			yani	7	en	4	40	9	7	œ	6	10
PRINTING	- 0	AGRICULTURE	6180.0		1	1	1	4	;	8 8	8	1
WIGHAL MUNICE C1533.7 796428 3915.3 3335.7 25045.8 7931.7 MISCADONARIA FRUITS. MISCADONARIA FRUITS. 12.6 2000.00 2000	7 ~	PRIMARY FISHING			1 30310	1	;	ţ	8	1	-	: :
MEAT_ANTER CONNET LEG	4	METAL MINING	1 1	: :	21333.7	70647 8	1	1 9	8	1	8	:
### AND PARTIES NO. 1974 1	5	NONMETAL, QUARRIES	1	4 e	1	0.24077	3915.3	: :	1 1	1	:	1
MISCADIAN FINITION MISCADIAN FINITION FINITION MISCADIAN FINITION FINITI	91	MEAT, DAIRY, FRUIT	-	:	1	*		33357	5	1	6.0	:
STATE CLOTH NOTE STATE CLOTH	- 0	SECONDARY FISHING	*	1	1	1	;		25045.8	3 g	1 1	1
TEXTILES WOOD R. 126	00	S DRINK DIST BREW	;	;	}	1	!	1	:	7931.7	:	: :
SAWMILES WOOD FREE 126 8.44 PRIVING PARKER 126 8.44 PRIVING PARKER 126 8.44 MACH & COUPT. 8.44 8.44 MACH & EQUIPT. 8.44 8.44 PER LYANDE LINE 8.44 8.44 8.44 PER LYANDE LINE 8.44 8.44 8.44 8.44 8.44 8.44 PERSONAL SERVICES. 8.44 9.44	10	TEXTILES CLOTHING	: :	8 0	!	1	1	1	1	, f	8781.3	
PRINTAGE PRINTAGE MACAL PARIC PRINTA	=	SAWMILLS, WOOD PR.	: :	12.6	: :	: :	3 9	1	1	9 9	1	1891.0
MACH	12	PULP-PAPER & PR	;	2 :	1	1 1	1 1	1 1	: :	2 0	1	8 6
MACH. & EQUIPT. MACH. & EQ	2	PRINTING	;	1	;	1	1	;	: :	: 1	;	;
Fransip Educing	14	MACH & FOLIDT	:	:	:	;	-	;	;	1	: :	1 1
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NONMETMINERALP PRINCE PR	17		1 1	1 1	: :	4 4	1	!	1	;	1	:
FERTPAINTSORP FREKTANTISOR PERTPAINTSORP CONSTRUCTION CONSTRUCTION CONSTRUCTION RADIOTELITELEGS CONSTRUCTION CONSTRUCTION DISTRIBUTION CONSTRUCTION CONSTRUCTION DISTRIBUTION CONSTRUCTION CONSTRUCTION DISTRIBUTION CONSTRUCTION CONSTRUCTION PERSONAL SERVICES CONSTRUCTION CONSTRUCTION HOTHEN, RELL CONSTRUCTION CONSTRUCTION HOTHEN, RELL CONSTRUCTION CONSTRUCTION HOTHEN, RELL CONSTRUCTION CONSTRUCTION IMPORTS - NE CONSTRUCTION	8	NONMET.MINERAL PR	1	1		; ;	1 1	: :	}	;	;	;
MANACHER	6-	FERT, PAINT, SOAP	;	1	;	;	1	: :	1 1	1	:	;
PARANELE	07	MISC. MANUF.	,	1	1	1	1	1	;	: :	: :	1
PAGE	17	TD A NCD TD A VET ENT	1	1	1	;	;	1	;	;	:	1
EPOWER, WATER CASK PROBLEM CARE PROBLEM CARE PROBLEM CARE PROBLEM CARE PROBLEM CARE CARE CARE CARE CARE CARE CARE CARE	23	RADIO TEL TELEC	1	:	}	1	;	1	1	;	;	: :
DISTRIBUTION DISTRIBUTION FLANCEAR Language PROFESSION OPERATION PROFESSION OPERATION OPERATION PROFESSION OPERATION OPERATION OPERATION OPERATION PROFESSION OPERATION	24	F POWER WATER GAS	:	1	1	1	1	}	;	;	:	1
AUTO OPERATION DWELLING SERVICES DWELLING SERVICE	25	DISTRIBUTION		; ;	1 :	;	;	;	-	;	1	;
PERSONAL SERVICES PERS	26	AUTO OPERATION	1	;	1 3	; ;	;	1	;	:	;	1
DWELLING SERVICES Color	27	FINANCE, R.E.	;	;	1	;	: 1	1 1	:	1	;	1
HOTHLS, KENT. HOTHLS,	200	DWELLING SERVICES	}	;	;	;	. ;	: :	: :	:	1	:
PUSINESS SERVICES 10680 32207.1 21535.7 79642.8 3915.3 3335.7 25045.8 7931.7 8781.3 TOTAL OUTPUT. 6180.0 32207.1 21535.7 79642.8 3915.3 3335.7 25045.8 7931.7 8781.3 IMPORTS - NELD 1068.0 17.0 1 427.0 1289.0 422.0 1143.0 1.0 IMPORTS - NELD 1512.0 1 1 2988.0 1.0 2988.0 1.0 IMPORTS - NELD 1512.0 1 1 298.0 427.0 1289.0 427.0 11843.0 1.0 IMPORTS - NELD 1 1 298.0 292.4 27115.8 641.7 8123.4 150.1 IMPORTS - RES 1 1 20.3 -0.3 -0.8 565.4 27115.8 641.7 8123.4 1510.1 TOTAL INTERDEM 1 1 1 2478.4 12478.4 12478.4 12478.4 12478.4 12478.4 12407.1 12480.9 125	20	HOTELS, REST	1	;	1	1	;	1		: :	; ;	1
TOTAL OUTPUT 6180.0 32207.1 21535.7 79642.8 3915.3 3335.7 25045.8 7931.7 8781.3 MPORTS - NS. MAPORTS - NS. MAPORTS - NS. MAPORTS - NELD. 1068.0 17.0 1.0 1.0 1.0 IMPORTS - NS. MAPORTS - NS. MAPORTS - NS. MAPORTS - RES. MAPORTS -	3.1	PERSONAL SERVICES	1	:	1	;	:	1	;	:	: :	: :
TOTAL OUTPUT 6180.0 32207.1 21535.7 79642.8 3915.3 3335.7 25045.8 7931.7 8781.3 IMPORTS - NS 1068.0 177.0 177.0 177.0 177.0 173.0 173.0 170.0 IMPORTS - NB 1512.0 177.0 177.0 177.0 173.0 173.0 170.0 173.0	1	BOSHNESS SERVICES	:	;	;	;	1	;	:	1	1	: :
IMPORTS - NS. 1068.0 17.0	32	TOTAL OUTPUT	6180.0	32207.1	21535.7	79642.8	3915.3	3335.7	25045.8	7931.7	8781.3	1891.0
IMPORIS - NB 17.0 - - 1084.0 577.0 3473.0 1.0 IMPORTS - NELD 1512.0 - - - 2988.0 577.0 3473.0 1.0 IMPORTS - NELD - - - - - 2988.0 577.0 3473.0 1.0 IMPORTS - NELD - - - - - - 2988.0 577.0 3473.0 1.0 IMPORTS - RES -	33	IMPORTS - NS	1068.0	;	;	;	427.0	12890	4220	11430	0	i i
MPORTS - NELD	24	MPORIS - NB	234.0	17.0	;	:	# #	1084.0	577.0	3473.0	0: 1	46.0
IMPORTS - RES 4456.3 316.6 -0.3 -0.8 565.4 27115.8 641.7 8123.4 1509.1 TOTAL IMPORTS 13450.3 32540.7 21535.4 79642.0 4907.7 35812.5 26686.4 20671.1 10291.4 TOTAL INTER.DEM. 1656.2 21334.6 12478.4 12478.4 717.1 -75.1 35812.5 26686.4 20671.1 10291.4 TOTAL INTER.DEM. 11174.1 9917.1 -75.1 35081.6 4557.4 1825.80 10238.3 TOTAL EXPORTS 13450.3 32540.7 78924.9 2550.0 21596.0 500.0 TOTAL EXPORTS 13450.3 32540.7 21535.4 79642.0 4907.7 35812.5 26686.4 20671.1 10291.4	36	IMPORTS - NELD	0.2161	1	1	;	1	2988.0	;	1	1	0.611
TOTAL IMPORTS 7270.3 333.6 -0.3 -0.8 992.4 37476.8 641.7 6123.4 1709.1 TOTAL SUPPLY 13450.3 32540.7 21535.4 79642.0 4907.7 35812.5 26686.4 20671.1 10291.4 TOTAL INTER.DEM 11774.1 9917.1 - 2407.1 480.9 533.0 1913.1 53.1 TOTAL EXPORTS 11774.1 9917.1 - 771.1 - 75.1 35081.6 4557.4 18258.0 10238.3 TOTAL EXPORTS 13450.3 32540.7 21535.4 79642.0 4907.7 35812.5 26686.4 20671.1 10291.4	37	IMPORTS - RES	4456.3	316.6	-0.3	; « c	5654	271158		1 0010	;	1
TOTAL SUPPLY 13450.3 32540.7 21535.4 79642.0 4907.7 35812.5 26686.4 20671.1 10291.4 TOTAL INTER.DEM. 1656.2 21334.6 12478.4 12478.4 12407.1 480.9 533.0 1913.1 53.1 TOTAL EXPORTS 11174.1 9917.1 -75.1 -75.1 35081.6 4557.4 18258.0 10238.3 TOTAL DEMAND 13450.3 32540.7 21535.4 79642.0 4907.7 35812.5 26686.4 20671.1 10291.4	38	TOTAL IMPORTS	7270.3	333.6	-0.3	8.0-	992.4	32476.8	1640.7	8123.4	1509.1	20147.4
TOTAL INTER.DEM. 1656.2 21334.6 12478.4 - 2407.1 480.9 533.0 1913.1 53.1 TOTAL DOM.FIN.DEM. 11174.1 9917.1 - 717.1 -75.1 35081.6 4557.4 18258.0 10238.3 TOTAL EXPORTS. 620.0 1289.0 9057.0 78924.9 2575.7 250.0 21596.0 500.0 TOTAL DEMAND. 13450.3 32540.7 21535.4 79642.0 4907.7 35812.5 26686.4 20671.1 10291.4	39	TOTAL SUPPLY	13450.3	32540.7	21535.4	79642.0	4907.7	35812.5	26686.4	20671.1	10291.4	22995.4
TOTAL DOM.FIN.DEM	4()	:	1656.2	21334.6	12478.4	;	1 2017 1	480.9	5220	10101		
TOTAL DEMAND	4 4		11174.1	9917.1	90570	717.1	7575	35081.6	4557.4	18258.0	10238.3	21218.7
35812.5 26686.4 20671.1 10291.4	43	TOTAL DEMAND	134603	107360	0 0 0	X: + 1	1.0100	7.00.7	21390.0	0.000	1	315.1
	-	CIAL DENIARD	13450.3	32340.7	21535.4	79642.0	4907.7	35812.5	26686.4	20671.1	10291.4	22995.4

MODEL 1 NFLD., 1960 - OUTPUT AND SUPPLY FLOWS J.M (\$'000)

	11	12	13	14	15	16	17	00	19	20
A C DICH TIDE	1	1	1	;	;	1	1	1	1	;
Y	1	!	1	* *	1	:	š 1	1	:	1
PRIMARY FISHING	1	1	1	1	1	1	1	1	}	;
METAL MINING	-	:	1	;	;	*	1	£ 6		1 1
NONMETAL, QUARRIES	;	}	1	1	1	1	!	1 1	: 1	: :
IRÝ, FRUIT.	;	;	1	:	:	1 0	:			: :
SECONDARY FISHING	;	;	-	1	1	8 1	1	1 1	: :	: :
MISC. FOODS, NES	1	1	1	*	1 5	: :	; ;		93	: :
S.DRINK, DIST, BREW	1	1	1	:	: :	2 6			2 1	
TEXTILES, CLOTHING	1 7 1 1 1	•	:	9	: :	1	:	•	!	8 0
SAWMILLS, WOOD PR.	5554.3	1 202167	1	1	: :	! !		!	1	;
PULP-PAPER & PR	6 6	08313.7	21056		1	1	1	8 5	1	:
PRINTING	1 0	:	5175.0	18421	1480	!	:		:	:
ABRIC	:	!		1017:1	23000	1	4 0	1	1	1
MACH. & EQUIPI	6	: 1		:		1985.4		1	1	!
IKANSF. EQUIPI.			1 1	1	;		43.0	8 2	:	8
ELECTRICAL EQ.			1	:		5 8	1	4279.9	-	1
MINERAL FR	1 1	: :		1	!	1	1	1	1713.5	1
FERILLATION IN THE WATER WATER WANTED	1 6	1	1	86.0	***	1	1	!	i	426.6
MISC. MAINOR	;	1	1	;	1	;	1	;	1	1
TO ANCE TRAVELENT	1	;	;	;	1	1	1	1	1	:
PADIO TEL TELEG	;	;	:	1	}	1	1	1	:	;
F POWER WATER GAS	;	:	}	1	!	1	•	4 4	:	:
NOIT INITIAL NAME OF THE PROPERTY OF THE PROPE	1	:	;	6 9		1	1	1	:	1
ALITO OPERATION	:	;	;	;	1	:	!	*	:	;
FINANCE & F	;	1	;	1	1	:	:	1	:	:
DWFI LING SERVICES	!	;	1	:	1	1	1	;	:	;
EST	;	:	1	1	1	•	*	:	!	1
PERSONAL SERVICES	;	*	1	1	4	1	1	:	!	
BUSINESS SERVICES	1	:	1	1	;	;	}	!	1	1
TOTAL OUTPUT	5554.3	68315.7	3195.6	1928.1	8.989	1985.4	43.0	4279.9	1722.8	426.6
MPORTS - NS	2461.0	43.0	1000.0	843.0	233.0	1247.0		2	410.0	37.0
MPORTS - NB	1129.0	2023.0	•	134.0	}	70.02	0.001	14.0		0.00
MPORTS - PEL	1	1	1	0.00		0 1			:	:
MPORTS - NFLD	6793.0	2868.1	354.4	7297.8	40603.5	3344.2				80.9
TOTAL IMPORTS	10383.0	4934.1	1354.4		40836.5	4611.2	5636.4	6574.4	2745.2	182.9
TOTAL SUPPLY	15937.3	73249.8	4550.0	10268.9	41523.3	9.9659	5679.4	10854.3	4468.0	609.5
					2 20001	7000		0 6080	3445 3	223 0
TOTAL INTER.DEM.	3441.4	4941.9 542.4	3330.0	1256.4	29317.9	2576.5	3363.3		296.7	208.1
TOTAL EXPORTS	75.2	67765.4	8 6	!	1	67.3				C.11
	C 8000 P		0 0000	103600	41833 4	7 7037	V 0777	108542	4468 0	5.609

MODEL 1 NFLD., 1960 - OUTPUT AND SUPPLY FLOWS J.M (\$'000)

	STRUCTION	TRAVEL, ENT	TELEG.	WATER, GAS		OPERATION	R.E.	SERVICES	REST.	SERVICES
	2.1	22	23	24	25	26	27	28	29	30
	:	8 8	1	;	!	1	1 1	200 0	1	
2 FORESTRY	:	8 8	8 8	ě .	•	!	1		: :	. ,
	1	1	1	1		8 8	:	:	0 0	
MEIAL MINING	!	1 1	8 0	1	!	1	;	!	1	
	:	ì		1	;	8 8	2 2	1	8 8	
	1	10	:	:	8	***************************************	*	:	4	
	:	1	1	:	t	1	1		:	
	:	:	* 0	•	:	1	!		*	
	!	RP FD	8 8	:	:	1	:	!	e a	•
	*	1	1	1	8 8	6 6	*	;	Ī	•
	4 4	9 1	1	1	4 1	*	!	1	1	
	!	8 0	0	:	\$ 0	4	:	:		
	8	:	;	:	:		1	;	***	•
	1	:	1	:	!	1	:	f	1	
	* 1	1	1	:	:	ē š	;	:	1	
	:	8 6	:	1	!	1	1	}	0 0	•
NOWINGE MINIER AT BE	:	6 6	3 6	8 0	!	1	*		1	
	:	1	8	1	:	:	1	# 0	1	
	1	:	1	1	1	:	6 8	***	:	,
CONSTBILITION	1 070007		8 8	:	1	1	*	:	8	
	142240.1	3 27 6 7 0	3 (*	:	1	:	:	!	
	!	0.74740	3 4000	2 0	:		1	1	!	,
E DOWED WATED CAS	¢	ŧ	0.4700	1 07011	1	:	1 1	1	1	,
		S	1	11940.3	00000	8 8	!	*	!	ı
			1 :		6.02060	242016		8 8	1	100
FINANCE, R.E.	8 8				: :	0.172#2	212257	:	40 00	i
	1	:	8	1 6	1 1		7.07710	201762	0	i
	;	2 0	1	;	:	1 :	0 8	0.61026	100165	10
	1	:	1	-	}	1	;	1 6	C.01201	15275 1
BUSINESS SERVICES	1	:	1	0 0	1	;	lt g			.07001
32 TOTAL OUTPUT	143340.1	84247.5	8024.5	11940 5	838383	247916	217757	222106	271601	i i
					200000000000000000000000000000000000000	0:174	7.1.4.4.7.4	0.211.00	0.01701	155/5.1
IMPORTS -	9 0	9 (1	:	å	8 0	4	1	*	i
IMPORIS	;	:	1	1	1	1		1	9 2	0
IMPORIS -	9	•	:	š (4	f	;		!	
IMPORTS -	1	40.60.0	*	:	1 2	8 0	*	# E	8-8	
38 TOTAL IMPORTS	:	4059.8	1	4 4	:	:	E - 0	1	2 2	8 8
	0	400%.0	:	:	:	2 0	1	1 2	1	!
39 TOTAL SUPPLY	143340.1	88307.3	8024.5	11940.5	83828.3	24291.6	31225.2	33319.6	10216.5	15375.1
40 TOTAL INTER.DEM.	15815.6	52836.3	5003.7	6220.3	13742.0	5310.8	27663.2	1	754.6	1731.0
42 TOTAL EXPORTS	****7C / 71	827.9	673.9	7.0276	0.040.0	18980.8	3562.0	33319.6	9461.9	13644.1
43 TOTAL DEMAND	143339.9	88307.5	8024.5	11940.5	83828.1	24291.6	312252	333196	102166	152751

TOTAL	32	6961.0 32113.5 2213.5.7 79642.8 3915.3 3335.7 25042.8 8790.6 1891.0 5566.9 68315.7 3195.6 1985.4 4279.9 1713.5 512.6 1940.5 8128.8 82247.5 8024.5 11940.5 8125.2 32619.6 10216.5 115375.1 13889.9 73830.7 11661.0 9117.0 4685.0 142261.9 167724.9 906027.6
BUSINESS SERVICES	31	13889.9 11913.8 1976.1
		AGRICULTURE FORESTRY PRIMARY FISHING METAL MINING SECONDARY, FRUIT METAL PABRIC METAL FABRIC MACH. & EQUIPT TRANSP. EQUIPT FERT, PAINT, SOAP MISC. MACH. & EQUIPT TRANSP. EQUIPT TONMET, MINTER, GAS AUTO OPERATION TOTAL OUTPUT TOTAL OUTPUT TOTAL IMPORTS - NE MPORTS - NE MPORTS - NE MPORTS - RES TOTAL IMPORTS - NELD TOTAL INTER, DEM TOTAL INTER, DEM TOTAL INTER, DEM TOTAL EXPORTS TOTAL DOM.FIN.DEM TOTAL EXPORTS TOTAL DOM.FIN.DEM TOTAL EXPORTS

MODEL I NEWFOUNDLAND, 1960 - INPUTS AND DEMAND FLOWS B, D, E (\$'000)

TEXTILES, CLOTHING	10	* *	* *	1 1	36.9		405.6	17.6	53.3	1	I 1.	1 1	39.0	3.5	14.9	0.7%	0.5	0.3	785.2	15.2	411.6	698.4	51.5-	650.1			11058		667.1 694.2 299.0	1891.0
S.DRINKS, DIST,BREW	6	0 d 2 d	* :	0.5	1 1	561.1	1 0	226.3	158.6	1	: 1	0.16	58.0	12.8	103.5	1890	1 1	7.7 236.6	2243.4	109.8	734.3	1382.1	3244.4	4719.6	12.5	94.6 609.6 824.2	6547.2	0 7070	5812.9 363.0	8790.6
MISC. FOODS,NES	œ	. 29.9	1 1	00.3	104.3	544.6	9.2	524.3	71.5	8 1	: :	* 4 6 9	37.8	27.3	46.5	34.7		5.3	2481.6	65.1	2526.8	1595.8	660.2	2427.0	19.6	129.8	5450.1	07576	2923.3 2923.3 521.0	7931.7
SECONDARY FISHING	7	142.5	12478.4	79.9	59.5	24.8	29.9	785.7	46.3	1 1	1 1 3	10.4	225.3	110.1	264.3	233.0		46.0	16494.1	215.9	649.5	6138.8	590.6	7118.9	201.4	125.0	8551.7	72201	2754.0	25045.8
MEAT.DAIRY & FRUIT	9	891.0	1 1	0.1		91.0	10.1	148.3	28.1	1 1	0 0	9.1	9.6	4.6	87.5	25.8	!	18.0	1891.3	19.1	58.5	709.2	603.9	1000.4	10.1	113.7	1444.4	13131	1385.9	3335.7
NONMETALS, QUARRIES	w	100	: :	:	1 1	1 2	44.5	; ;	32.6	7.9	1 00	40.0	107.0	222.5	39.3	253.0	8 8	34.1	7.097	101.7	232.0	300.0	944.7	2140.5	20.0	441.7	3154.6	2745 9	409.0	3915.3
METAL	4	135.1	1 1	1	: :	* *	94.1	1 1	278.1 769.0	1 1	2.2	0.427	805.0	269.5	2.608	93.4	1	654.3	24213.0	1646.0	5519.8	20216.4	5360.0	20216.4	1214.0	2822.9	55429.8	479040	49910.0	79642.8
PRIMARY	m	226.3	! !	700.0	353.4	1 1	515.7	1 1	202.7	345.9	1617	7:101	164.0	79.1	373.8	412.9	1 1	1 1	4662.9	597.7	406.3	6306.6	2287.9	14962.0	211.0	280.8	16872.8	15762.0	16466.5	21535.7
FORESTRY	2	179.0	1 1	1 0	8	: :	84.3	: :	30.0	48.3	1 1	1 1	294.0	269.6	186.3	538.4	1 1	17.1	2832.6	135.5	557.3	3085.2	3423.5	22855.9	106.4	1509.0	29280.9	25855.9	5450.0	32113.5
AGRI. CULTURE	1	379.0	1 1	: :	1000	0.10/	65.0	3.4	39.5	: :	51.0	0 1	367.0	40.0	216.1	138.0	1 1	6 6 7 6	2853.9	69.0	191.1	2607.2	480.0	3477.2	-24.0	-22.2	4107.1	3477.2	3916.0	6961.0
		AGRIC. PRODUCTS		NONMETAL, QUARRIES			SAWMILL, WOOD PROD										DWELLING SERVICES		TOTAL INTERINPUT						PROVINCIAL REVENUE		TOTAL PRIMARY			TOTAL OUTPUT
		1 AG											• •						32							44 FE 45 IM	46		48 GR 49 EM	50

MODEL 1 NEWFOUNDLAND, 1960 - INPUTS AND DEMAND FLOWS B, D, E (\$'000)

MISC. MANUF.	20	18.6	1 1 1	43.6	3.6	5.1	5.9	31.3	3.3 14.0 1.0	0.6	0.2 5.1	158.0	6.7 113.7 206.0	18.4 9.8 224.4	1.1 4.9 0.7 113.7	354.6	224.4 240.9 74.0	512.6
FERT, PAINT & SOAP	19	1111	1 0	: : :	12.2	95.3	: : :	14.0	12.5 31.9 1.3	29.9	44.7	422.9	10.7 534.5 266.0	446.3 33.1 515.4	0.7 8.6 58.8 674.0	1290.6	712.3 756.1 67.0	1713.5
NONMET. MINERAL PR	18	0.1	240.8	1 1 1	529.7	248.4	243.2	116.0 293.2	114.0 139.3 9.0	1.84	31.8	2039.5	276.4 1112.5	276.7 527.3 1319.4	22.1 23.8 26.6 56.6	2240.4	1389.2 1964.0 285.0	4279.9
ELECTRICAL EQUIPT.	17	1111	.		3.1	151	1 1 0.4	1166	2.3	0.0	0.0	13.1	0.8 10.1 29.0	-12.2 2.2 16.8	0.1 0.5 0.5 0.2 10.1	29.9	16.8 19.8 9.0	43.0
TRANSP. EQUIPT.	16	1 8: 1 1		1 1 1	33.00	31.2 129.5 220.7	69.5	141.1	19.4 59.2 0.1	37.6	7.3	904.2	38.5 172.9 1289.5	-519.3 99.6 1219.4	1.5 36.4 0.6 -276.3	1081.2	770.2 908.3 369.0	1985.4
MACH. & EQUIPT.	15	111	: : : :	1 1 1	1 1 1	19.1	1 1 1	27.1	4.0 10.9 6.7	12.6	0.3	92.2	15.8 50.8 295.0	72.0	2.1 13.4 0.3 50.8	446.6	367.0 395.8 79.0	538.8
METAL FABRIC.	14	111	3.1	1 1 1	10.4	43.8	1 1 7	8,3	25.5 63.5 2.9	34.3	10.7	426.4	24.0 667.5 786.3	50.6 35.3 796.9	2.9 20.2 10.9 697.5	1563.7	836.9 896.2 185.0	1990.1
PRINTING	13	111		110	259.0	5.6	1 1 1	5.0	35.1 25.5 3.6	50.8	21.2	641.4	46.7 250.3 1370.7	\$00.0 357.5 29.0 2070.7	10.4 23.3 113.0 307.8	2554.2	2228.2 2303.9 412.0	3195.6
PULP-PAPER & PROD	12	19674.1	88.9	7 861	874.8	964.6 5275.0	274.5	570.0	2465.9 1214.7 12.8	680.1	25.0 643.4	35675.0	\$12.5 3303.3 17709.5	4892.3 6223.1 17709.5	0.8 507.8 2003.9 6195.6	32640.7	22601.8 29337.4 3082.0	68315.6
SAWMILLS. WOOD PR	=	1110.6	1112	C	-	100.8	8.09	21.0	51.6 59.2 190.8 17.6	150.2	28.9	3416.8	59.0 223.9 1219.5	401.8 115.8 130.1 1707.1	11.3 43.9 3.8 253.9	2150.1	1737.1 1926.2 693.0	5566.9
				MISC. FOOD PROD S.DRINK, DIST, BREW			17 ELECTRICAL EQ		23 RADIO, IEL, IELEG. 24 E.POWER, WATER, GAS. 25 DISTRIBUTION. 26 AUTO OPERATION.		00 PERSONAL SERVICES	32 TOTAL INTER.INPUT	3 TAXES. 4 SUBSIDIES. 5 NON-COMP. IMPORTS.	37 UNINCORP.BUS.INC		46 TOTAL PRIMARY	48 GROSS DOM. PROD	50 TOTAL OUTPUT

MODEL 1 NEWFOUNDLAND, 1960 - INPUTS AND DEMAND FLOWS B, D, E (\$'000)

		CON- STRUCTION	TRAVEL, ENT	RADIO,TEL. TELEG.	ELEC.POWER WATER,GAS	DISTRIBUTN	AUTO	FINANCE. R.E.	DWELLING SERVICES	HOTELS, REST.	PERSONAL SERVICES
		21	22	23	24	25	26	27	28	29	30
- 2		13.7	; ;	1 1	1 1	2.5	8 8	1 1		1	8 0
m <			1	1	1	# 0	1	: :	: 1 : 1	: :	t i
140		1282.0	3.5	1 1	1 1	!!	: :	1 1	1 1	; ;	1 1
91		:	1	•	8 0	1044	1	1	1	0.0	1
- 00		: .	9 B 6	1 8 1 0	: :	0.4.0	: :		9 8	1 1	1
6	S.DRINK, DIST, BREW	!	15	1	1	1 1	8 0	:	1	: :	7 8
2=			29.7	: :	1 1	70.6	1 1	1 1	; ;	25.0	15.6
12		1275.8	: 9	1.7	: <	256.2	!	1	1	7.2	6.0
4	FABRIC, METAL PROD	7153.1	50.2	/ 0 1	13.0	13.5	1 1 9	8 8	1 1	73.5	14.0
19			3354.2	0.07	0.01	961.9	0.001	807.0	1 1	\$ 1	271.0
17		2056.0	80.0	!	1	!	!	5 5	1 1	; ;	1 1
6		23	22.6	: :	6:1	10.1	25.6	!!	* 1	52.5	3.5
20		28.0	784.4	1840	822.0	5410	150.0	1400	0 0090	21.7	130.0
22	TRANSP, TRAVEL, ENT.	15092.9	4073.3	102.5	174.3	8846.9	801.7	3.6	0.000%	783.2	225.8
24		276.0	577.2	82.0	10.0	564.1	100.0	224.5	! !	318.4	53.5
25	DISTRIBUTION		838.9	32.6	51.1	259.5	409.7	1.00	ţ	92.4	92.5
27			5294.9	146.0	24.0	4237.1	2240.0	0.989	429.7	905.6	502.1
29			754.6	1 1	1 1	1 ;	1 :	: :	; ;	1 1	9 1
30	PERSONAL SERVICES	4744.9	169.6	7.5	147.5	233.1	80.0	130.0	: :	319.2	15.0
32	TOTAL INTERINPUT	71948.6	21778.3	1119.9	1281.4	18838.1	3947.0	2014.9	10029.7	3568.5	2252.6
33		309.5	3495.8	140.9	187.5	688.7	1351.0	1039.5	1394.1	330.5	157.8
35			4903.4	288.6	228.8	1356.2	8125.0	5091.0	1 1	1357.8	468.8
37		য	4130.7	3913.0	0.0662	12000.0	3000.0	4618.9	1 1	2567.0	3000.7
39		4985.2	11371.1 8209.8	1842.1	5440.8 2252.0	6836.5	1868.6	3156.0	10959.9	559.2	2925.2
4 4	HOUSEHOLD INCOME		45281.1	4282.8	2848.0	56635.2	8994.4	8618.9	8959.9	3904.5	11582.0
42		172.0	2860.3	85.0	74.0	85.0	1351.0	737.0	: : -	179.0	155,3
44		15	-8387.4 13903.4	311.0	667.8	204.4 1210.8 3364.5	172.0	1314.9	2000.0	74.1	525.0
46	TOTAL PRIMARY	71391.3	62469.2	6904.6	10659.1	64990.2	20344.6	29210.3	22589.9	6648.0	13122.5
48 49 49	FACTOR INCOMES	53433.4 57421.1 11100.0	54281.1 57565.8 10000.0	5755.1 6616.0 1400.0	7990.8 10430.3 700.0	59515.0 63634.0 12432.0	10068.6 12219.6 2425.0	19923.8 24119.3 1000.0	10959.9 22589.9 55.0	4253.0 5290.2 1420.0	12234.9 12653.7 4000.0
50	TOTAL OUTPUT	143339.9	84247.4	8024.5	11940.5	83828.2	24291.6	31225.2	32619.6	10216.5	15375.1

MODEL 1 NEWFOUNDLAND, 1960 - INPUTS AND DEMAND FLOWS B, D, E (\$'000)

HOSPITAL	40 206.8 105.5 40.8 19.1 118.8 118.8 118.8 12.7 16.8 16.8 16.8 16.8 16.8 16.8 16.8 16.8	5.01.8 5.0 1860.5 7559.5 7559.5 7559.5 7703.3 2000.0 16065.6
EDUCATION	39 40 40 40 40 40 40 40 40 40 40	11.1 635.3 12876.0 1717.0 1717.0 12876.0 2352.3 15239.4 14593.0 14604.1 3500.0
MUNICIPAL GOVT.	38 6.0 11.8 18.1 7.2 7.2 7.2 7.2 43.1 17.5 17.5 2675.0 415.6 20.3 81.6 89.0 59.1	3699.4 8.1 201.5 1551.0 767.0 1551.0 1551.0 2527.6 23318.0 23318.0 23326.1 600.0
PROVINCIAL GOVT.	26.8 26.8 66.5 52.1 37.0 100.7 100.7 245.0 101.1 1198.8 198.8 1173.4 864.4 864.4	29381.2 129.4 1325.4 10160.0 3347.0 11160.0 129.4 3672.4 14961.8 13507.0 13636.4 2500.0
FED. GOVT. CIVIL	36 12.3 12.3 13.7 15.7 8.5 119.3 110.3 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	13.0 525.9 17711.0 17711.0 525.9 18249.9 17724.0 4200.0 38152.5
FED. GOVT. DEFENCE	35 1137.4 1197.4 119.5 119.5 119.5 119.5 119.5 119.5 119.5	\$000.0 \$000.0 \$000.0 \$000.0 \$129.5 \$129.5 \$000.0 \$000.0 \$100.0 \$000.0 \$100.0 \$0000.0 \$000.0 \$000.0 \$000.0 \$000.0 \$000.0 \$000.0 \$000.0 \$000.0 \$
INVENTORY CHANGE	34 7456.1 120 11.5 12.0 11.5 12.0 12.0 13.1 13.4 13.4 13.4 13.7 13.7 13.8 13.8 13.8 13.8 13.8 13.8 13.8 13.8	49.5 49.5 49.5 49.5 49.5
CAPITAL FORMATION	28691.0 117.17 28691.0 117.9 117.9	.1050.0 .1050.0 .1050.0 .1050.0 .1050.0
PERSONAL CONS.	32 10870.2 2449.2 2449.2 34178.5 4428.3 10184.4 20819.3 3350.0 2162.0 3270.0 193.5 193.5 193.5 1849.9 1288.0 1289.0 1289.	290945.6 33020.0 58940.7 2329.0 20952.0 665.0 9074.0 58940.7 91960.6
BUSINESS	31 2.0 2.0 19.0 19.0 10.29 102.9 102.9 102.9 319.9 102.9 2.0 2.0 102.9 102.9 102.9 102.9 102.9 102.9 103.9 103.9 104.9 105.9 1	3162.6 73.9 73.9 7917.4 1540.7 700.0 431.3 640.0 2451.5 70.9 2451.5 10.7 2672.0 2802.9 500.0
	1 AGRIC. PRODUCTS	32 TOTAL INTER.INPUT

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TOTAL	50	13450.3	21535.4	79642.0	35812.5	26686.4	20671.1	22995.4	15937.3	4550.0	10268.9	41523.4	5679.4	10854.3	4468.0	143339.9	88307.2	8024.5	83828 1	24291.6	31225.2	33319.6	15375.1	0.6005.3	2.00027.2	46093.0	124265.9	290673.2	108103.9	51265.9	365930.8	27496.4	4930.0	14362.3	651984.4		440835.I 527718.4	83171.0	1558004.0
TOTAL INTER.DEM.	49	1656.2	12478.4	2407 1	480.9	533.0	1913.1	1461.6	12420.7	1220.0	9012.5	12205.5	2316.1	9802.0	3445.3	15815.6	52836.3	5003.7	13742.0	5310.8	27663.2	754.6	1731.0	747949 1	13000	-94253	60597.7	235815.7	102134.2	51265.9	310073.3	7594.4	4265.0	5121.7	495352.5	0 000000	434754 6	69271.0	738301.8
TOTAL	48	620.0	9057.0	78924.9	250.0	21596.0	0.000	315.1	75.2	†**CO//O	;	573	2 1	1102.3	0.02/	3 1	827.9	6/3.9	440.0	† *	!	1 1	1 1	1868833		1 :	1	:	: :	;	1 :	: 1	1	1 :	:		: :	1	186883.3
EXPORTS. NFLD.	47	1	1 1	1 1	1	:	1 1	!	1 1	1	1	! !	1	8 8	1 1	1	}	1 1		8 8	1	0 1	1 1	*		d 4 2 1	t 1	3 3	1	1	1 1	1	9 9	1 :	Ī		0 b	!	;
EXPORTS- P.E.I.	46	1 1	1	1 1	1	264.0	1 9	4.0		1	1	; ;	;	10.0	0.501	2 1	1	1 8	1	:		1 8	1 1	442.0		1 1	1		;		1 :	*	8 2	1 1	:		1 1	8	442.0
EXPORTS- N.B.	45	* *	;	1 1	1	591.0	1	1 0	26.0	2 ;	!	: :	8	737.0	0.162	!	:	2 8	1	:	1 1	1	: :	902.0		1 1	1	: :	1	1	: :	1	1	1 1	1	1	1	1	902.0
EXPORTS- N.S.	4	56.0	9057.0	492.0	1 6	500.0	2:1	:	: :))	1	1 1		640.0	: :	# ap	:	: :	•	9 0		;	1 1	17863.9	1	1 ;	;	; ;	1	;	: ;	1	1	1 :	*	:	0 0	1	17863.9
EXPORTS- CANADA	43	223.0	10000	1831.7	1 0	4010.0	!	311.1	1 1	;	1	67.5	1 9	404.3	76.5		70.5	6.670	40.0	8 8	8 0	1	6 d 6 d	15034.5		1 1	1	1 1	;	!	: :		1	1 :	8	8 6	1	1	15034.5
EXPORTS- FOREIGN	42	341.0		252.0	250.0	0.21001		1521	67739.5		;	; ;	;	8 8		1	757.4	: ;	400.0	;	1 1	*	1 1	152641.1	i	;	;	: :	3 3	1	: :	1 1	1	1 1	4	8 8		1	152641.1
TOTAL DOM. FINAL DEM.	41	9917.1		-75.1	35081.6	18258.0	10238.3	21218.7	542.4	3330.0	793179	2576.5	3363.3	296.7	208.1	127524.4	34643.3	5720.2	69646.1	18980.8	33319.6	9461.9	13644.1	476194.8	331866	-1050.0	63668.3	0.4607.5	8.6965	2 5 5 5 5 5 5	2329.0	19902.0	0.599	68638.0	156631.9	60827.3	92963.8	13900.0	632826.9
port hand						MISC. FOOD PROD.		SAWMITI WOOD PROD						FERT PAINT SOAP		CONSTRUCTION						HOTELS, REST.		TOTAL INTER.INPUT	TAXES		WACES & SALABIES						MUNICIPAL KEVENI E		TOTAL PRIMARY	EACTOR INCOMES	GROSS DOM. PROD.	EMPLOYMENT	TOTAL OUTPUT
		1 2	w <	150	91	- 00	6	0 -	12	13	14	91	7	× 0	20	21	77	24	25	26	28	53	30	32	33	34	35	37	300	39	4	42	43	45	46	47	24	49	20

MODEL 1 P.E.I., 1960 - OUTPUT AND SUPPLY FLOWS J.M (\$'000)

	PRODUCTS	PRODUCTS	FISH	QUARRIES	& FRUIT	PRODUCTS	PRODUCTS	DIST,BREW	CLOTHING	WOOD PR
	-	7	m	4	10	9	7	00	6	10
	31013.7	989.5	!	1	!	1	1	1	;	
2 FORESTRY	8 4	721.5		1	}	1	1	6 9	*	•
	1	1	4639.5	1 1	-	1	8 9		1	•
	1	1	•	116.7		8 0	1		0	
	8 2	1	l I	!	17193.2	1	!	\$ *	:	•
	3 b	6 8		1	31.9	7319.0	1	!	!	,
	1	1	;	;	+	1	1630,0	1	1	
	1	1	;	!	•	8 8	1	527.1	:	•
	1	E .	:	1	!	1	1	4 7	1295.2	•
	1	1	;	6 6	4 .	\$	1	1	:	1538.7
	1	1	1	;	!	:	!	8	!	
	1	1	;	;	ł	:	1	1	!	
	1	;	;	;	1	1	1	•	1	
	:	1	1	;	;	1 1	:	;	:	
	:	:	;	•	1	1	1	!	*	
	:	1	1	1	1	1	1	1	;	
	1	:	1	:	;	!	;	;	1	
	:	1	1	:	;	;	:	:	:	
	}	:	1	1	1	1	1	}	:	
	1	1	*	:	:	1	1	1	:	
I RADIO, TEL, TELEG	*	:	1	1	:	;	:	1	1	
	1	1	8	1	;	;	•	:	1	
	1	1	1	;	;	1	}	:	1	
AUTO OPERAT	3	1	!	1	!	!	1	1	1 6	
	:	}	:	:	;	1	1	1	:	
26 DWELLING SERVICES	8 3	:	:	:	:	:	:	1	:	
	;	:	1	:	1	1	:	1	:	
	1	;	1	;	:	!	:	1	!	
BUSINESS SERVICES	1	!	1	!	1	1	:	4 4	1	
30 TOTAL OUTPUT	31013.7	1711.0	4639.5	116.7	17225.1	7319.0	1630.0	527.1	1295.2	1538.7
MPORTS - NS	1360	;	1	0.61	0 66	3350	4770	4810	2710	0.273
IMPORTS	20.0	:	:		317.0	135.0	4306.0	450.0	5.0	507.0
_	;	:	å .	1	1	3 8		:	:	
	8	:	8	;	4 9	264.0	1	B	4.0	
35 IMPORTS - RES	1426.7	173.8	0.1	67.4	5002.4	266.7	1395.3	827.7	4406.8	1139.8
IOIAL IMPORIS	1382.1	1/3.8	1.0	4.08	2418.4	1000.7	01/8.3	1/38./	4686.8	2319
37 TOTAL SUPPLY	32596.4	1884.8	4639.6	203.1	22643.5	8319.7	7808.3	2285.8	5982.0	3858.5
TOTAL INTER DEM.	7.77.7	784.4	3956.6	203.1	2513.4	590.0	1922.7	9.09	572.9	2603
	6278.7	194.8	1000	!	10749.7	961.1	5885.6	2225.2	4448.1	773.2
2	16640.0	0.00%	0.689.0	:	9380.3	0.00.0	!	;	961.0	482.1
A1 TOTAL DEMAND	120ACC	1006 3	70078	102 1	126424	02107	7000 2	22000	4003	30506

MODEL 1 P.E.L., 1960 - OUTPUT AND SUPPLY FLOWS J.M (\$'000)

		PULP-PAPER & PROD.	PRINTING	FABRIC. METAL PROD	MACH. & EQUIPT.	TRANSP. EQUIPT.	NONMET. MINERAL PR	FERT, PAINT & SOAP PR.	MISC. MFG. PROD.	CON. STRUCTION	TRANSP, TRAVEL, ENT
		Ξ	12	13	14	15	16	17	90	19	20
	AGRICULTURE	1	1	!	•	:	1	3 8	-	1	!
7	FORESTRY		•	:	:	1	1	:	:	8	*
m 4	PRIMARY FISHING	!	1	!	!	!	:	!	-	!	* *
4 4	NONMEI AL, QUARKIES	8 0	0 0	8 0	*	*	§ .	3 9	1	:	6 6
0 4	MEAL, DAIRY, FROIL			1		1		:	1		4.0
0 1	MISC FOODS NES		0 0	0 0	1 1	0 0	4 E	9 6	1 1	* 1	
- 00	S.DRINK, DIST, BREW		1	1	1	0		1	1	: :	: :
6	TEXTILES, CLOTHING	•	i	1	8 8	1	1	:	:	;	:
0:	SAWMILLS, WOOD PR.		8 8	1	1	8 6	2 8	1	!	1	!
= =	PULY-PAPER & PR	63./	11422		-	1	1 0	9 4	*	1	0 0
2 6	METAL FABRIC	: :	7:7+11	104.8	: :	! !			: 1	1 0	: ;
4	MACH. & EOUIPT.	1	8 8	1	164.0	0.00	1	1	1	1	1
15	TRANSP. EQUIPT.	1	8 0	78.0	1	157.7	1	:	;	;	;
16	NONMET.MINERAL PR	1 1	1	}	e e	1	187.6	1 4	1	!	;
17	FERT, PAINT, SOAP	1	1	1	1	:	:	2018.3	: 00:	*	0
× 0	MISC. MANUF.	:	:	:	!	!	1	1	1.29.5	0.10000	
20	TRANSP TRAVEL ENT			1	: :	6 0 0 0	1 1	: :	: :	0.18626	15473 4
21	RADIO, TEL. TELEG	:	:		0.0	1	1	\$ p	5 5	:	1000
22	E.POWÉR, WATER, GAS	0 0		*	:	0	8 8	1	1	1	1
23	DISTRIBUTION	1	1	1			1	;	:	1	1 6
24	AUTO OPERATION	:		*	:	:	:	1	1	*	8 6
25	DWELLING SEDVICES	:		:	: 1	1		:	1	-	:
27	HOTELS.REST.	: :	9 8	1	:	1 1	1 1	: :	1 1	1 1	: :
28	PERSONAL SERVICES		1	;	:	:	*	1	6 6	0 0	
59	BUSINESS SERVICES	5 5	0	8 0	3 1	1	1	9 0	1	:	2 6
30	TOTAL OUTPUT	63.7	1142.2	182.8	164.0	157.7	187.6	2018.3	129.5	32991.0	15473.4
31	IMPORTS - NS.				28.0	1960.0	86.0	355.0	12.0	:	:
32	IMPORTS - NB	413.0	350.0	168.0	0.1	11.0	411.0	886.0	100.0	š š	t e
33	IMPORIS - PEL	:	1 1	: :	1 1	1 1	1001	163.0	8 8	1	:
35	IMPORTS - RES		80.8	2126.6	12065.6	799.9	1752.0	644.6		!!	3 E C
36	TOTAL IMPORTS	1013.8	430.8	2747.6	12094.6	2770.9	2259.0	2048.6	112.0	1	;
37	TOTAL SUPPLY	1077.5	1573.0	2930.4	12258.6	2928.6	2446.6	4066.9	241.5	32991.0	15473.4
38	TOTAL INTER DEM.	9.	697.3	2782.5	1893.7	1062.1	2415.5	3663.4	171.4	3626.5	9028.0
40	TOTAL DOM.FIN.DEM	32.1	875.7	61.9	10364.9	1866.5	31.1	150.8	71.1	29364.5	4674.6
41	TOTAL DEMAND	1077.5	1573.0	2930.4	12258.6	2928.6	2446.6	4066.9	242.5	32991.0	15473.4

MODEL 1 P.E.I., 1960 - OUTPUT AND SUPPLY FLOWS J.M (\$'000)

	IELEG.	WATER, GAS		OPERATION	R.E.	SERVICES	REST.	SERVICES	SERVICES	OUTPUT
	21	22	23	24	25	26	27	700	29	30
1 AGRICIII TURE	;	;	;	1	1	1439.0	;	1	}	33442.2
2 FORESTRY	;	:	1 4	}	1 4		:	1	;	721.5
	8 0	8 8	:	!	1	1	m-q	•	2 3	4639.5
	1	!	8 5	*	:	!	1	•	1	116.7
	1	1	:	:	+	1	1	1	* *	73500
	1	:	;	1	1	0 0	-	1	!	1350.9
7 MISC. FOODS, NES	:	;	;	:	1	1	* 1	;	1	0.0501
	:	1	1	1	;	!	:	1	:	1.726
	:	!	1		¢ 0	•	!	1	1	1293.2
	:		!	9 0	!	1		* !	B 0	1336.1
	9 9	1		1	!	\$	* 1	6 1	3 1	1142 2
	1	1	;	:	!	: :	: 1	: :	; ;	104.8
	:	1	:	0	: :					1640
	1	1 1		:	: :	;	:	1	1	235.7
NONIMET MINIED AT DD	: ;	1 1	1		1	:	1	;	!	187.6
	: :	1		1		1	!	8	1	2018.3
	;	!	!	\$ \$	1	;	1	£ 8	;	129.5
	1	}	1	1	!	!	;	1	1	32991.0
20 TRANSP.TRAVEL.ENT	1	!	1	1	*	8 9	!		1	15473.4
	1993.0	:	1	8 8	1	1	1	1	!	1993.0
	-	2793.7	-	!	;	1	*	1	8 0	2793.7
	1	:	21509.3		1		1	1	1	21509.3
AUTO OPERAT	1	1	4 1	9022.9	4 0	!	1	100	:	9022.9
	:	!	:	1	8771.8	0000	!	!	1	8.727.8
	}	5 8	1	*	8	8693.1	1,000	*	:	1.5605
27 HOTELS, REST.		!			: :	• 1	7:1067	58511	1 1	7./067
		1 1	: :	: :	1			1:1000	4164.4	4164.4
ă					6	4		1000	- 4	- 4
30 TOTAL OUTPUT	1993.0	2793.7	21509.3	9022.9	8221.8	10132.1	2907.2	5851.1	4164.4	186121.2
	1	0 1	*	;	;	1	;	:	•	5565.0
IMPORTS - NB		1	8 6	:	1	:	:	1	1	8080.0
	!	:	!	:	*	1	1	5 0	1	1
34 IMPORTS - NFLD	8 9	1	1	6	1	1	!	1	!	441.0
	1	!	1	:	:	1	:	8 0	4	32596.9
36 TOTAL IMPORTS	:	1	!	:	:	1	:	•	8 8	46682.9
37 TOTAL SUPPLY	1993.0	2793.7	21509.3	9022.9	8221.8	10132.1	2907.2	5851.1	4164.4	232864.0
38 TOTAL INTER DEM.	1151.8	1051.3	6529.1	2907.4	7508.7	!	483.4	323.7	3746.5	72912.4
TOTAL DOM.FIN.DEM	745.0	1742.4	14780.2	6115.5	713.1	10132.1	2423.8	5527.4	417.9	121625.5
2	7.0%	1	0.002	6	9 9		t	7 2 0 2	* * * * * * * * * * * * * * * * * * * *	0.0000
41 TOTAL DEMAND	1993.0	2793.7	21509.3	9022.9	8221.8	10132.1	2.7062	5851.1	4164.4	232802.5

MODEL 1 P.E.L., 1960 - INPUTS AND DEMAND FLOWS B, D, E (\$'000)

| 10 | 302.3 | 1 | 1 1 | 2.5 | 1 | 19.7 | 206.0 | 1.2 | 13.2 | 7.2

 | - | 105.3
 | | 10.0
 | 0, 40 | 10.9
 | 0.09 | 34.5 | ;
 | 0.1 | 867.6 | 18.8 | 100 | 384.8 | 100.0 | 37.8 | 511.0 | 1.6
 | 12.8 | 15.4 | 671.1 | 568.3 | 0.761 | 1538.7 |
|----|-----------------|--|---|--|---|-------------------|---|--|--
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---|---|--|---
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---|---|--
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--|--|-----------------|------------------|---|-------------|-----------------|--|--|--|---------------|---|-------|--------------|
| 6 | 25.7 | 1 | : : | 1 | 1 ; | 7.4 | 1 1 | 0.0 | . ∞ | 3.1

 | 1 | : :
 | 2 0 | 7.0
 | 2.0 | 5.9
 | 6.70 | 16.9 | }
 | 0.2 | 233.6 | 7.9 | 6470 | 155.2 | - > > > > > > > > > > > > > > > > > > > | 14.0 | 344.5 | 4.3
 | 8 | 647.8 | 1061.6 | 391.9 | 0.4.0 | 1295.2 |
| œ | 1.1 | 1 | : : | ; 6 | 86.0 | | ! | : : | : : | 7.2

 | 1 | 7.3
 | 1 | 2.3
 | 1.1 | 6.6
 | 18.0 | 8.1 | : :
 | 0.5 | 220.7 | 9.3 | 75.4 | 92.6 | 0 7 2 1 | 21.3 | 149.6 | 4.0
 | 5.5 | 75.4 | 306.4 | 281.0 | טירנ | 527.1 |
| 7 | 128.2 | ; 0 | 59.0 | 4.7 | 175.0 | 22.7 | 1 6 | 2.5 | 0.2 | 24.9

 | : | 1 1
 | 0 0 | 7.6
 | 3.7 | 0.00
 | 0.00 | 17.0 | ; ;
 | 0.4 | 711.1 | 11.3 | 5.48.7 | 191.3 | 110.0 | 47.8 | 301.1 | 4.2
 | 6.4 | 558.7 | 918.9 | 311.6 | 0.001 | 1630.0 |
| 9 | 68.8 | 3956.6 | 1.2.1 | 1 | 8 8
8 8 | 0.3 | 23.7 | ر.
در د | 175.9 | 40.9

 | 1 | 1
 | 1 | 55.1
 | 106.8 | 34.4
 | 4.611 | . 174.5 | : :
 | 5.4 | 5360.7 | 104.0 | 560.7 | 795.1 | 200.0 | 189.9 | 9.0011 | : :
 | 84.6 | 45.9
569.2 | 1990.2 | 1127.1 | 0.01 | 7350.9 |
| ٩n | 8262.5 | 1 ; | 2413.3 | 56.9 | 33.4 | 33.5 | 26.7 | 290.9 | 337.6 | 334.0

 | 8 7 | 1
 | 9.2 | 45.8
 | 23.7 | 130.5
 | 9.4 | 163.9 | : :
 | 7.6 | 13501.9 | 67.3 | 1493 | 1912.3 | 300.0 | 177.4 | 2535.8 | 24.3
 | 39.8 | 712.4 | 3691.3 | 3297.3 | 0.000 | 17193.2 |
| 4 | 1 1 | 1 | 9 8 | 1 | | ; | 0 | : : | 1 1 | 5.0

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 | 0.4 | 0.9 | 1 1
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00 | 43.1 | 797 | 3.0 | 299 | : :
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0. % | 85.1 | 72.3 | 0:17 | 116.7 |
| М | 368.2 | : | 1 1 | 521.5 | : : | 72.9 | * | : : | 37.5 | 49.0

 | 51.5 | 27.0
 | * * | 10.3
 | C: C = - | 140 6
 | 0.04 | 96.5 | 1 1
 | 1 1 | 1518.3 | 16.7 | 1453 | 7.64.7 | 1673.3 | 284.0 | 2738.6 | 1 1
 | 16.7 | 145.3 | 3121.2 | 2975.9 | 0.000 | 4639.5 |
| 7 | 14.6 | * | : : | 3 4 | | 1 | 2.4 | : : | 0.2 | 60.2

 | : : | 1
 | 8 6 | 39.0
 | 2.5 | : 4
 | C.C | 19.6 | : :
 | 0.6 | 161.6 | 3.8 | 11.4 | 422.9 | 38.6 | 65.6 | 479.1 | : 1
 | 3.5 | 11.4 | 6.655 | 548.5 | | 721.5 |
| - | 1141.4 | 1 | 41.1 | 0.1 | 1028.3 | 233.7 | 0.06 | 1 1 | 205.8 | 300.0

 | 157 9 | 2640.0
 | : 0 | 930.0
 | 100.0 | 206.0
 | 1715.0 | 597.0 | : :
 | 250.0 | 12791.3 | 505.0 | 11973 | 2760.0 | 13855.0 | 2478.0 | 16615.0 | 37.0
 | 455.0 | 1197.3 | 20651.3 | 16615.0 | | 33442.6 |
| | AGRIC, PRODUCTS | RIMARY FISH | EAT, DAIRY, FRUIT | EC. FISH PRODUCTS | DRINK DIST BREW | EXTILES, CLOTHING | AWMILL, WOOD PROD | BINTING | ABRIC, METAL PROD. | MACH. & EQUIPT.

 | | ERT, PAINT, SOAP.
 | IISC. MFG. PROD. | ONSTRUCTION
RANSP TRAVELENT
 | ADIO, TEL, TELEG. | POWER, WATER, GAS
 | UTO OPERATION | INANCE, R. E. | WELLING SERVICES
 | ERSONAL SERVICES | TOTAL INTERINPUT | AXES | ON-COMP IMPORTS | /AGES & SALARIES | NINCORP.BUS.INC. | EPRECIATION | OUSEHOLD INCOME | ROVINCIAL REVENUE
 | IUNICIPAL REVENUE | MPORT LEAKAGE | TOTAL PRIMARY | ACTOR INCOMESROSS DOM. PROD. | | TOTAL OUTPUT |
| | 3 4 5 6 7 8 9 | 1 2 3 4 5 6 7 8 9 1141.4 14.6 85.8 1.28.2 25.7 85.8 128.2 25.7 | 1 2 3 4 5 6 7 8 9 9 1141.4 14.6 2.3 3.8.2 25.7 25.7 25.7 25.7 25.7 25.7 25.7 25 | 1 2 3 4 5 6 7 8 9 11
1141.4 14.6 368.2 2 8262.5 68.8 128.2 25.7 25.7 25.7 25.7 25.7 2413.3 241.1 3.8 2413.3 2413. | 1 2 3 4 5 6 7 8 9 11 1141.4 14.6 368.2 25.7 3.9 25.7 85.8 128.2 25.7 85.8 128.2 25.7 1141.4 14.6 368.2 25.7 1241.3 3.8 25.0 1241.3 3.8 25.0 1241.3 3.8 25.0 1241.3 3.8 25.0 1241.3 3.8 25.0 | 1 | 1 2 3 4 5 6 7 8 9 1 1141.4 14.6 368.2 - 826.2.5 68.8 128.2 - 25.7 85.8 - 368.2 - 3956.6 - - 25.7 - - - 2413.3 - 59.0 - - - - 2413.3 - 56.9 - - - - 33.4 - 175.0 86.0 - - - 33.5 0.3 22.7 42.9 - - - 33.5 0.3 22.7 - | 1 2 3 4 5 6 7 8 9 1 1141.4 14.6 368.2 - 826.2 68.8 128.2 - 25.7 85.8 - 368.2 - 3956.6 - - 25.7 - - - 241.3 - 241.3 - 25.0 - - - - 241.3 - 59.0 - - - - - 241.3 - 256.9 - - - - - - 256.9 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - | 1 2 3 4 5 6 7 8 9 11 1141.4 14.6 368.2 | 1 2 3 4 5 6 7 8 9 1 1141.4 14.6 368.2 - 8262.5 68.8 128.2 - 25.7 85.8 - 368.2 - 8262.5 68.8 128.2 - 25.7 - - 36.8 - - 241.3 - 25.7 - - - - - 241.3 - 26.9 - - 7.4 162.8 - - - 241.3 - 17.7 42.9 - 162.8 - - - 24.3 - 17.7 42.9 - 233.7 - - 25.7 - 25.7 - - 20.0 - - 26.7 23.7 - - - 20.5 - - 290.9 - - - - - 20.5 - - - 290.9 - - - - - 20.5 - - - - - - - - - 23.7 - - - - <td>1 2 3 4 5 6 7 8 9 1 1141.4 14.6 368.2 - 826.2.5 68.8 128.2 - 25.7 85.8 - 368.2 - 3956.6 - - 25.7 14.1 - - 2413.3 - 2413.3 - - 1.0 - 521.5 - 2413.3 - 7.4 1.0 - 521.5 - 2413.3 - 17.7 42.9 1.0 - 56.9 - - 2413.3 - - - 1.0 - 56.9 - - 17.7 42.9 - - 1.628.3 - - - 241.3 -</td> <td>1 2 3 4 5 6 7 8 9 1 1141.4 14.6 368.2 - 8262.5 68.8 128.2 - 25.7 85.8 - 368.2 - 8262.5 68.8 128.2 - 25.7 - <t< td=""><td>1 2 3 4 5 6 7 8 9 1 1141.4 14.6 368.2 - 8262.5 68.8 128.2 - 25.7 85.8 14.6 368.2 - 8262.5 68.8 128.2 - 25.7 85.8 - - 2413.3 - - 25.7 - 25.7 1.0 - 521.5 - - 2413.3 - - 25.9 - - 25.7 -<</td><td>1 2 3 4 5 6 7 8 9 1 1141.4 14.6 368.2 826.2 68.8 128.2 25.7 85.8 128.2 68.8 128.2 25.7 1141.4 14.6 368.2 25.7 25.7 11.0 2.4 2413.3 2413.3 25.7 152.8 2.4 72.9 2413.3 22.1 162.8 2.4 72.9 243.4 25.7 205.8 0.2 2.4 72.9 7.4 205.8 0.2 2.4 7.2 7.4 205.8 0.2 2.4 7.2 1.9 1.5 205.8 0.2 37.5 2.9 1.9 2.4 205.8 0.2 49.0 2.0 334.0 40.9 24.9 7.2 205.9 152.9 2.7 2.4 2.2 2.2 2.2 205.9 2.4 2.2 2.2</td><td>1 2 3 4 5 6 7 8 9 1 1141.4 14.6 368.2 262.5 68.8 128.2 25.7 85.8 128.2 395.6 27.7 25.7 25.7 41.1 2 2413.3 2412.1 33.8 25.7 1628.3 2 2413.3 2412.1 33.8 25.7 1628.3 2 2413.3 2412.1 25.0 25.0 1628.3 2 2413.3 25.7 25.9 25.7 25.7 233.7 2 2 25.9 25.7 25.7 25.7 25.7 20.5 2 2 2 25.7 2 25.7 2 2 20.5 3 2
 2 2</td><td>1 2 3 4 5 6 7 8 9 1 1141.4 146 368.2 - 8262.5 68.8 128.2 - 25.7 85.8 - 368.2 - 243.3 - 395.6 - - 25.7 - - - 2413.3 - 243.7 - 25.7 - 25.7 - - - - 2413.3 - - 2413.3 - - 25.7 - - - - 2413.3 - - 2413.3 -<!--</td--><td>1 2 3 4 5 6 7 8 9 1 1141.4 146 368.2 - 8262.5 68.8 128.2 - 25.7 85.8 - 368.2 - 33.6 - - 25.7 - - - 13.7 12.1 33.8 - - - - - - - 2413.3 - - 25.7 -</td><td>1 2 3 4 5 6 7 8 9 1 85.8 36.82 36.82 25.7 3956.6 25.7 25.7 85.8 26.8 128.2 3956.6 25.7 25.7 25.7 16.2 26.9 2413.7 12.1 33.8 25.7 25.7 16.2 2.4 2413.3 12.1 33.8 25.7 25.7 16.2 2.4 2.4 2413.3 12.1 33.8 25.7 16.2 2.4 2.4 2.413.3 12.1 33.8 25.7 233.7 2.4 2.4 2.4 2.4 2.4 2.4 233.7 2.4 2.5 2.4 2.2 2.2 2.2 205.8 0.2 37.5 33.4 40.9 24.9 7.2 11.8 205.8 0.2 37.5 34.0 40.9 24.9 7.2 11.8 205.9 0.2 <</td><td>1 2 3 4 5 6 7 8 9 1 1141.4 146 368.2 368.2 128.2 25.7 85.8 36.8 128.2 25.7 41.1 41.1 38.8 128.2 25.7 162.8.3 2.4 241.3 12.1 38.6 25.7 162.8.3 2.4 72.9 241.3 12.1 38.8 25.7 162.8.3 2.4 72.9 241.3 12.1 38.8 25.7 162.8.3 2.4 72.9 26.9 17.7 42.9 7.4 23.3.7 2.4 72.9 2.6 2.3 22.7 42.9 7.4 20.5 37.5 2.6 23.7 22.7 42.9 7.2 11.8 20.5 60.2 49.0 5.0 334.0 40.9 24.9 7.2 11.8 20.5 1178.3 3.6 13.3 46.8 45.8 12.3<!--</td--><td>1 2 3 4 5 6 7 8 9 1 11414 146 3682 82625 688 1282 257 85.8 36.8 395.6 395.6 395.6 395.6 395.6 162.8 2 36.9 37.7 38.2 257.7 257.7 162.8 2 2413.3 37.4 33.4 39.6 39.6 162.8 3 2 2413.3 37.4 39.6 39.6 39.6 162.8 3 2 33.4 39.6 17.7 42.9 7.4 162.8 3 3 3 3 4 5.6 3.7 3.7 3.7 3.7 3.3 3.7 3.2 3.2 3.7 3.1 3.2 3.7 3.1 3.2 3.1 3.2 3.1 3.2 3.1 3.2 3.1 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2</td><td>1 2 3 4 5 6 7 8 9 1 1141.4 14.6 36.82 25.25 68.8 128.2 25.7 85.8 18.8 36.25 68.8 128.2 25.7 85.8 2.3 3.3 2.3 2.2 2.2 41.1 2.2 2.4 2.4 2.4 2.2 2.2 1628.3 2.4 2.2 2.4 2.4 2.4 2.2</td><td>1 2 3 4 5 6 7 8 9 1 1141.4 146 3682 2 68.8 128.2 25.7 185.8 14.6 368.2 2 33.9 2 25.7 1628.3 1 2 33.9 1 38.6 1 1628.3 1 2 241.3 1 38.6 1 1628.3 1 2 241.3 1 38.6 1 1628.3 1 2 241.3 1 38.6 1 2 1628.3 1 2 241.3 1 38.6 1 2 1 2 1628.3 2 2 241.3 1 3 4 4 5 6 7 8 1 2 2 1 1 4 2 1 2 1 2 1 2 2 1 2 1 2 <td< td=""><td> 1</td><td> 1</td><td> 1</td><td> 1</td><td> 1</td><td>11 2 3 4 5 6 7 8 9 11 85.8 36.82 36.82 36.82 36.82 36.82 35.93 128.2 25.7 41.1 36.82 36.82 37.3 395.6 37.3 37.4 37.8 37.8 37.8 37.8 37.8 37.8 37.8 37.8 37.8 37.8 37.8 37.8 37.8 37.8 37.8 37.8 37.8 3</td><td>11 2 3 4 5 6 7 8 9 85.8 1141.4 146 3682 25.2 68.8 128.2 25.7 85.8 12.1 38.8 12.1 38.3 12.1 25.7 41.1 2.1 38.2 12.1 38.3 2.2 25.7 80.2 2.1 2413.7 12.1 38.3 1.2 25.7 80.2 2.2 2413.7 12.1 38.3 1.7 42.9 7.4 80.2 2.4 7.2 2413.7 1.2 3.3 1.7 42.9 7.4 80.2 2.4 7.2 2.4 2.2 2.2 1.7 42.9 7.4 80.2 2.4 7.2 2.2 2.2 2.2 1.3 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2</td><td>11
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368.2 368.2 128.2 25.7 85.8 36.8 128.2 25.7 41.1 41.1 38.8 128.2 25.7 162.8.3 2.4 241.3 12.1 38.6 25.7 162.8.3 2.4 72.9 241.3 12.1 38.8 25.7 162.8.3 2.4 72.9 241.3 12.1 38.8 25.7 162.8.3 2.4 72.9 26.9 17.7 42.9 7.4 23.3.7 2.4 72.9 2.6 2.3 22.7 42.9 7.4 20.5 37.5 2.6 23.7 22.7 42.9 7.2 11.8 20.5 60.2 49.0 5.0 334.0 40.9 24.9 7.2 11.8 20.5 1178.3 3.6 13.3 46.8 45.8 12.3<!--</td--><td>1 2 3 4 5 6 7 8 9 1 11414 146 3682 82625 688 1282 257 85.8 36.8 395.6 395.6 395.6 395.6 395.6 162.8 2 36.9 37.7 38.2 257.7 257.7 162.8 2 2413.3 37.4 33.4 39.6 39.6 162.8 3 2 2413.3 37.4 39.6 39.6 39.6 162.8 3 2 33.4 39.6 17.7 42.9 7.4 162.8 3 3 3 3 4 5.6 3.7 3.7 3.7 3.7 3.3 3.7 3.2 3.2 3.7 3.1 3.2 3.7 3.1 3.2 3.1 3.2 3.1 3.2 3.1 3.2 3.1 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2</td><td>1 2 3 4 5 6 7 8 9 1 1141.4 14.6 36.82 25.25 68.8 128.2 25.7 85.8 18.8 36.25 68.8 128.2 25.7 85.8 2.3 3.3 2.3 2.2 2.2 41.1 2.2 2.4 2.4 2.4 2.2 2.2 1628.3 2.4 2.2 2.4 2.4 2.4 2.2</td><td>1 2 3 4 5 6 7 8 9 1 1141.4 146 3682 2 68.8 128.2 25.7 185.8 14.6 368.2 2 33.9 2 25.7 1628.3 1 2 33.9 1 38.6 1 1628.3 1 2 241.3 1 38.6 1 1628.3 1 2 241.3 1 38.6 1 1628.3 1 2 241.3 1 38.6 1 2 1628.3 1 2 241.3 1 38.6 1 2 1 2 1628.3 2 2 241.3 1 3 4 4 5 6 7 8 1 2 2 1 1 4 2 1 2 1 2 1 2 2 1 2 1 2 <td< td=""><td> 1</td><td> 1</td><td> 1</td><td> 1</td><td> 1</td><td>11 2 3 4 5 6 7 8 9 11 85.8 36.82 36.82 36.82 36.82 36.82 35.93 128.2 25.7 41.1 36.82 36.82 37.3 395.6 37.3 37.4 37.8 37.8 37.8 37.8 37.8 37.8 37.8 37.8 37.8 37.8 37.8 37.8 37.8 37.8 37.8 37.8 37.8 3</td><td>11 2 3 4 5 6 7 8 9 85.8 1141.4 146 3682 25.2 68.8 128.2 25.7 85.8 12.1 38.8 12.1 38.3 12.1 25.7 41.1 2.1 38.2 12.1 38.3 2.2 25.7 80.2 2.1 2413.7 12.1 38.3 1.2 25.7 80.2 2.2 2413.7 12.1 38.3 1.7 42.9 7.4 80.2 2.4 7.2 2413.7 1.2 3.3 1.7 42.9 7.4 80.2 2.4 7.2 2.4 2.2 2.2 1.7 42.9 7.4 80.2 2.4 7.2 2.2 2.2 2.2 1.3 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2</td><td>11 2 3 4 5 6 7 8 9 11 85.8 18.8 18.8 18.8 18.8 18.8 25.7 85.8 1.2 33.8 18.8 18.8 25.7 25.7 41.1 1.0 2.1 24.13.7 12.1 3.8 1.2 25.7 16.8.3 2.1 2.1 3.3 1.2 3.8 1.2 25.7 16.8.3 2.2 2.4</td><td> 1</td><td> 1 2 3 4 5 6 7 8 9 9 1 1 1 1 1 1 1 1</td><td> 1414</td><td> 1</td></td<></td></td></td></t<> | 1 2 3 4 5 6 7 8 9 1 1141.4 14.6 368.2 - 8262.5 68.8 128.2 - 25.7 85.8 14.6 368.2 - 8262.5 68.8 128.2 - 25.7 85.8 - - 2413.3 - - 25.7 - 25.7 1.0 - 521.5 - - 2413.3 - - 25.9 - - 25.7 -< | 1 2 3 4 5 6 7 8 9 1 1141.4 14.6 368.2 826.2 68.8 128.2 25.7 85.8 128.2 68.8 128.2 25.7 1141.4 14.6 368.2 25.7 25.7 11.0 2.4 2413.3 2413.3 25.7 152.8 2.4 72.9 2413.3 22.1 162.8 2.4 72.9 243.4 25.7 205.8 0.2 2.4 72.9 7.4 205.8 0.2 2.4 7.2 7.4 205.8 0.2 2.4 7.2 1.9 1.5 205.8 0.2 37.5 2.9 1.9 2.4 205.8 0.2 49.0 2.0 334.0 40.9 24.9 7.2 205.9 152.9 2.7 2.4 2.2 2.2 2.2 205.9 2.4 2.2
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 37.4 37.8 37.8 37.8 37.8 37.8 37.8 37.8 37.8 37.8 37.8 37.8 37.8 37.8 37.8 37.8 37.8 37.8 3 | 11 2 3 4 5 6 7 8 9 85.8 1141.4 146 3682 25.2 68.8 128.2 25.7 85.8 12.1 38.8 12.1 38.3 12.1 25.7 41.1 2.1 38.2 12.1 38.3 2.2 25.7 80.2 2.1 2413.7 12.1 38.3 1.2 25.7 80.2 2.2 2413.7 12.1 38.3 1.7 42.9 7.4 80.2 2.4 7.2 2413.7 1.2 3.3 1.7 42.9 7.4 80.2 2.4 7.2 2.4 2.2 2.2 1.7 42.9 7.4 80.2 2.4 7.2 2.2 2.2 2.2 1.3 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 | 11 2 3 4 5 6 7 8 9 11 85.8 18.8 18.8 18.8 18.8 18.8 25.7 85.8 1.2 33.8 18.8 18.8 25.7 25.7 41.1 1.0 2.1 24.13.7 12.1 3.8 1.2 25.7 16.8.3 2.1 2.1 3.3 1.2 3.8 1.2 25.7 16.8.3 2.2 2.4 | 1 | 1 2 3 4 5 6 7 8 9 9 1 1 1 1 1 1 1 1 | 1414 | 1 |

MODEL 1 P.E.L., 1960 - INPUTS AND DEMAND FLOWS B, D, E (\$'000)

TRANSP, TRAVEL,ENT	20	: :	:	1		1	5 1					10		15.3	_		127.7		1113.7	-	4	150.2	\$ 5279.0	1330.9				3363.6		12	95.1		2 10194.4	7 6823.8 0 8669.9 0 1900.0	0 15473.4	
CON- STRUCTION	19	26.0	7:17	169.0			!	10000	3,69.6	0.000	1971.7	410.2	2240.4	523.7	16.0	2836.8	79.0	2277.6	35.0	2.0022		2085.9	17498.8	82.0	4361.2		3000.0	812.3			15.0	4	15492.2	10236.7 11131.0 2150.0	32991.0	
MISC. MANUF.	18	8.6	1 1	8 8	: :	1	4 9	8 8	\$ 1	1 1	1 9	0.3	1	1	1 1	2.0	0.3	1.5	1 5	0.1	\$ 0	2.6	18.8	0.3	5.4	86.6	17.0	4.1.	103.6	0.2	0.1	5.4	110.7	103.6 105.3 13.0	129.5	T. S. C. C.
FERT.PAINT & SOAP	17	1	: :	8.6	; !	8 6	1	\$ 0	1127	113./	}	27.8	: :	230.7	10.01	112.8	6.9	76.3	0.5	43.3	:	0.3	650.2	19.2	960.1	126.4	2137	48.7	139.4	2.9	14.8	1110.8	1368.1	340.1 408.0 41.0	2018.3	C'0107
NONMET. MINERAL PR	16	;	: :	4.7	1 1		1	\$ 1	1 6	7.0	:	2.4	22.2	1	1	4.8	0.5	6.5	0.5	2.0	1	0.3	54.5	2.1	1 20 1	65.7	375	13.9	103.3	1.4	0.7	13.8	133.1	103.3	721	0./01
TRANSP. EQUIPT. N	15	1	1 1	:	1	0 1		1.5	55.5	1 1	9.5	3.8	: :	15.1	1	11.5	8.0	6.3	2 1	6.1	# 9 9	0.1	122.2	1.3	1 -	107.5	246	18.2	82.9	1 1	1.0	0.3	113.5	82.9 102.4 40.0		1.007
MACH. & EQUIPT.	14		!	1		1	: !	1 8	1	1	1 m	4.5	1 1	: :	1	10.9	1.0	7.1	0.3	3.4	: :	0.1	39.2	1.1	100	52.2	1 9	4.5	0.79	1 1	6.0	0.2 52.2	124.8	67.0	0.12	164.0
METAL FABRIC.	13	1	8	; ;	!	1	1	: :	1	£ 0	: :	1.0	1	1 1	1	7.4	0.3	0.6	0.1	1.8	1 1	1 8:0	18.2	1.2	1 *	15.5		3.0	30.3	-0	1.1	52.1	9.98	30.3	0.0	104.8
PRINTING	12	8	1	1 1	8 8	*	1	0.0	1 1	100.7		18.4	:	: :	1 9	20.0	17.9	16.3	0.8 0.9.0	24.3	: :	1.1	268.3	36.3		132.8		181.4	613.0	150	23.6	48.6	873.9	679.8	0.0/1	1142.2
PULP-PAPER & PROD	=	:	8 9	1 1	1	*	1	0 0	1	17.4	:	3.3	8 6	1 1	:	1 7	3.4	0.1	3.0	3,4	6 6	0.1	37.7	5.5	1	3.6		0.4 0.6	14.6	:	4.9	3.6	26.0	14.6	0.4	63.7
a.		ACDIC DRODICTS	FORESTRY PRODUCTS	PRIMARY FISH	MEAT DAIRY FRUIT	SEC. FISH PRODUCTS	MISC. FOOD PROD	S.DRINK, DIST, BREW	SAWMIT WOOD PROD	PULP-PAPER & PROD	PRINTING	FABRIC METAL PROD	TRANSP. EQUIPT.	NONMET.MINERAL PR.	MISC. MFG. PROD	CONSTRUCTION	TRANSP, TRAVEL, ENT	E.POWER, WATER, GAS	DISTRIBUTION	FINANCE, R.E.	DWELLING SERVICES	PERSONAL SERVICES	BUSINESS SERVICES	TAVES	SUBSIDIES	NON-COMP. IMPORTS	WAGES & SALANIES	PROFIT, RENT, INT.	HOUSEHOLD INCOME	EDUCATION & HOSP	PROVINCIAL REVENUE	FEDERAL REVENUE	TOTAL PRIMARY	FACTOR INCOMES GROSS DOM. PROD.	EMPLOYMENT	TOTAL OUTPUT

MODEL 1 P.E.L., 1960 - INPUTS AND DEMAND FLOWS B, D, E (\$'000)

abolitavan olavo								SEN VICES	SERVICES	CONS.
SEDITAGE DIAG.	21	22	23	24	25	26	27	28	29	30
AGRIC. PRODUCIS	1	1	0.7	8 8	:	9 9	:	2 0	1	5103.3
FORESTRY PRODUCTS	1	•	8 6	*	1 1	1	1	1 6	*	135.0
NONMETAL OHAPPIEC	1 3	: :	1	: :	: 1	: 1	1	•	8	
MEAT DAIRY FRIST		: :	: :	: :			1 1	0 2	e 1	03054
SEC. FISH PRODUCTS	1 1		0.7	:	1	1		1	1 :	947.6
MISC. FOOD PROD.	1	1	:	:	:	;	!	;	1	5755.2
S.DRINK, DIST, BREW	8	0 0	:	:	:	;	1	:		2225.4
TEXTILES, CLOTHING	1	1	164.5	:	1	*	4.3	7.0	8.0	4460.6
	*	:	19.9	:	:	1	32.6	61.0	!	0.009
PULP-PAPER & PROD	1	8 8	71.6	1	:		9.0	3.5	1	5 1
PRINTING	51.0	0.1	1	4 4	8 11	*	15.6	0.6	530.0	650.0
FABRIC. METAL PROD	0 0	4.3	2.7	1	1	!	:	!	4.0	
MACH. & EQUIPT.	4 6	4.5	77.1	45.0	200.0	*	1	230.0	!	1
TRANSP. EQUIPT	1	:	*	1	*	1	:	4 4	*	1
NONMET.MINERAL PR.	6 6	: -	1 4	1 0	1	6 5	:	1 5	1	1
FEKT, FAINT, SOAF	0 0	3.1	7.7	8.6		4 0		64.0	9.4	0 4
MISC. MFG. FROD.	100	10701	30.00	10 45	1 0 0 7	1 000 1	: < 7	150.8		26.4
TO A NICE TO A VET ENT	30.10	100.0	1047 1	220.7	0.741	1400.0	0.4.0	75.0	276	: 00010
DADIO TEL TELENI	36.0		1647	350	0.7		67.7	6.51	10.3	2102.8
E POWER WATER GAS	27.5		6.661	15.0	2.50	1	105.7	207	0.702	1249.0
DISTRIBUTION	21.8		907.5	283.3	9.0	0 0	8.1.2	61.2	81.2	14120.5
AUTO OPERATION	1	1		1	1	!	20.9	1	4 8	5920.4
FINANCE, R.E.	41.0	12.0	1126.4	685.0	209.0	. 131.2	175.1	353.1	109.2	468.0
DWELLING SERVICES	1 0	1	1	*	8 0	8 8	*	6 0	:	10132.1
DERCONAL SERVICES	30%		603			1 1	1001	26.0	:	2404.8
BUSINESS SERVICES	4	7.0	614.3	80.0	93.0	1	122.5	5.0	1 1	0.0240
TOTAL INTER.INPUT	345.9	426.2	5692.6	1548.8	735.8	1531.2	269.7	1261.2	1017.6	71790.0
TAXES	230.7	136.5	273.8	517.0	4571	5 099	1132	5 961	61.0	178440
SUBSIDIES				1	: 1			4 6	2 1	(:++071
NON-COMP. IMPORTS.		290.2	603.9	3503.2	2241.2	0.0	129.6	273.0	2616.4	16579.5
WAGES & SALARIES		635.7	7524.2	830.0	1632.8	8 9	786.7	1243.8	199.1	:
UNINCORP.BUS.INC.		:	3500.0	1600.0	:	1	439.3	1800.0	1 1	2 2
PROFIT, RENT, INT.	237.9	927.1	2754.3	723.9	2654.3	3068.8	324.6	979.8	272.3	í
DEPRECIATION	286.0	378.0	1160.5	300.0	500.6	3432.6	144.1	9.96.8	0.8	0 0
HOUSEHOLD INCOME	6.126	1084./	1.299.1	6.1002	7433.1	22027	1478.9	3807.3	316.5	1 4
PROVINCIAL REVENUE		* !	: :	\$17.0	2521	: :	20.0	1950	20.08	633.0
MINICIPAL REVENUE		1360	1844		2040	5 099	0.00	0.0	0.00	406.0
FEDERAL REVENUE	0.027	300.5	4611	73.1	0:107		56.1	101	988	65320
IMPORT LEAKAGE		468.3	1611.6	3922.1	4093.2	500.0	200.4	297.5	2716.7	16579.5
TOTAL PRIMARY	1647.1	2367.5	15816.7	7474.1	7486.0	7161.9	1937.5	4589.9	3146.8	29424.4
					1	6	,			
FACIOR INCOMESGROSS DOM. PROD.	_	2077.3	15212.8	3970.9	5244.8	7161.9	1550.6	4023.6	530.4	12844.9
EMPLOYMENT	300.0	200.0	3322.0	1011.0	200.0	25.0	460.0	1500.0	150.0	e e
TOTAL OUTPUT	1993.0	77027	215003	00000	01110	04021	4 5000	2024	41644	

MODEL 1 P.E.L., 1960 - INPUTS AND DEMAND FLOWS B, D, E (\$'000)

31 32 33 699.4 355.7 EED. C FORMATION CHANGE DEFE 699.4 355.7 699.4 355.7 85.1 1109.2 85.1 85.1 10151.0 -1.1 -0.2 -0.2 -0.2 -0.2 -0.2 -0.2 -0.2 -0.2 -0.2 -0.2 -0.2 -0.2 -0.3 -	EXPORTS- FOREIGN	40	2698.0	1 1	805.8			2.1	r 1	2 6 2 6	1	f 0	589.6		20.0	1		1 1	6692.6	-		9 1		9			2	1	1		4 6692.6
STATE INVENTORY FED COVT FED COVT PROVINCIAL MUNICIPAL EDUCATION HOSPITAL		39	6278.7	4 6	10749.7	5885.6	4448.1	32.1	875.7	10364.9	31.1		2		6115.5	713.1			121626.0						633.						
## 34 35 34 35 36 37 ***STATE OF THE PROPRINGIAL MUNICIPAL EDUCACHIAL CHANGE PEERNEE CIVIL COVIT.** ***STATE OF THE PROPRINGIAL MUNICIPAL EDUCACHIAL COVIT.** ***STATE OF THE PROPRIED COVIT.** **	HOSPITAL	300	49.9	1 1	119.5	200.00	12.6	40.0	30.0	47.0	1	1 1	784.0	53.2	67.1	47.7	0 1	31.7	1446.4	1.2	580.1	1853.6	273.0	1853.6	•						
13 32 33 34 35 36 36 36 36 36 36 36	EDUCATION	37	1 1	!	: 1	1 1	0.2	89.0	137.7	52.9	· · · ·	2.9	1106.0	73.0	83.3	70.6	19.0	9.0	1801.9	7.1	514.2	3004.0	160.0	3004.0	!	1 1	7.1	3685.3	3164.0	3171.1	5487.2
## CAPITAL INVENIORY FED. GOVT. PED. GOVT. PROVINGOUS PEFFICE CTVIL. PROVINGOUS PEFFICE CTVIL. GOVT. PROVINGOUS PEFFICE CTVIL. PROVINGOU	MUNICIPAL GOVT.	36		!	16.6	0:1	3,8	1 1			31.3	1.4	261.0	93.7	27.4	26.3	1 1	16.7	872.2	5.6	120.9	525.0	451.0	525.0	-		5.6	1102.5	976.0	981.6	1974.7
31 32 33 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	PROVINCIAL GOVT.	35	55.9	-	50.2	10.8	9.9	1 1	60.2	1.0	4.0	40.0	6565.0	30.5	59.0	61.5		21.5	8661.9	1.91	378.3	2795.0	1457.0	3295.0	1	: :	16.1	4646.4	4252.0	4268.1	13308.3
31 32 33 369.4 \$55.7 \$69.6 EEEE GEEE 699.4 \$55.7 \$59.8 \$5.1 \$-0.2	FED. GOVT. CIVIL	34		1 1	55.5	5.7	3.6	8.3	0.2	114.0	1720.1	17.4	2970.0	20.8	348.3	15.7	1 1	6.2	6145.5	3.1	164.3	4965.0	: 1	4965.0	:	1 1	3.1	5132.4	4965.0	4968.1	11277.9
CAPITAL INVEN CHAN CHAN CHAN CHAN CHAN CHAN CHAN CHA	FED, GOVT. DEFENCE	83	8 8	1 1	93,3	1 1	: :	3.2		1 1	80.5		4221.0	128.0	74.6	23.3	1 1	3.0	4827.0	1	6.091	4000.0	! !	40000		1	1 1 0 0 2 1	4160.9	40000	4000.0 800.0	8987.9
31 699.4 699.4 10151.0 10151.0 13457.5 13457.5	INVENTORY	32	90	59.8	1109.2	85.1	-0.2	32.7	-2.4	0.0	-1.1	74.4	1 1 1	1 1	!	1 1	: :	1 1	1696.1	:	1 1	;	: :	1 1	1	:	1 8	: :			1696.1
AGRIC. PRODUCTS		31	699.4	1 1	; ;	1 1	1		1 1	78.0	; ;	1	13457.5	1	1	1 1	8 8	1 1 1	24385.9	1			1 1	1	:	1	: :	1 0			24385.9
			AGRIC, PRODUCTS	FORESTRY PRODUCTS	NONMETAL, QUARRIES	SEC. FISH PRODUCTS	S.DRINK, DIST, BREW	SAWMILL, WOOD PROD	PULP-PAPER & PROD	FABRIC, METAL PROD	TRANSP. EQUIPT.	FERT, PAINT, SOAP	MISC. MFG. PROD.	RADIO, TEL, TELEG.	E.POWER, WATER, CAS	AUTO OPERATION	DWELLING SERVICES	PERSONAL SERVICES	TOTAL INTERINPUT	TAXES	SUBSIDIES.	WAGES & SALARIES	UNINCORP.BUS.INC.	DEPRECIATION	EDUCATION & HOSP	PROVINCIAL REVENUE	MUNICIPAL REVENUE	IMPORT LEAKAGE	TOTAL PRIMARI	FACTOR INCOMES GROSS DOM. PROD.	TOTAL OUTPUT

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TOTAL	48	32596.4 1885.2 4639.6	203.1 22643.4 8319.7	7808.3	5982.0	3858.5	1573.0	12258.6	2928.6	4066.9	242.5	32991.0	1993.0	2793.7	21509.3	8221.8	10132.1	2907.2	5851.1 4164.4	232805.0	17739.3	-3055.8	50/09.0	27629.0	16539.5	13918.3	633.0	8710.7	2655.1	4421.0	164067.0		125308.1	19359.0	396872.1
TOTAL INTER.DEM.	47	9677.7 784.4 3956.6	203.1 2513.4 590.0	1922.7	572.9	2603.2	697.3	1893.7	1062.1	3663.4	171.4	3626.5	1151.8	1051.3	2007	7508.7	# # # # # # # # # # # # # # # # # # #	483.4	323.7	72913.9	4861.3	-3055.8	353957	27629.0	14198.5	71511	11011	2436.8	2249.1	-1144.1 24236.4	113207.4		92946.8	15409.0	186121.3
TOTAL	46	16640.0 906.0 683.0	9380.3		961.0	482.1 58.0	0 99		1 1	252.7	!	1770 8	96.2	1 0	200.0	: :	;	;	: :	38264.7	:	1		:	1	: :		1	:	1 1	:		1 1	\$ *	38264.7
EXPORTS- NFLD.	45	1512.0	2988.0	:	119.0		- 66.0	1	1 1	:	1	1 1	:	•	0 1	: :	:	;	: :	4685.0	*	a 0	; ;	1	1	: :	: :	1	0 0	1 1	1		; ;	1	4685.0
EXPORTS- P.E.I.	44	111	1 1 1	:	* *	: 1	: :	8	6 8 6 8	:	1	: :	1	1	: :	: :	!	1	; ;	\$	1	B B	4 6	:	1	: :	:	:	!	8 6	:		: :	!	
EXPORTS- N.B.	43	595.0 48.0 683.0	1132.0	1	662.0	480.0	: :	0 0) I	1 1	*	1 1	: :	8 8	1 1	:	:	:	! !	3600.0	\$	•	: 1	1	4 4	: :	1	1	:	1 1	:		: :	;	3600.0
EXPORTS- N.S.	42	2966.0	3630.0	1	180.0	58.0	: 1	8	8 8	1	8 8	: :		*	: :	1 1	1	:	: :	7445.0		:	1 1	8 9	:	0 0		1	:	: :	1		: :	;	7445.0
EXPORTS- CANADA	41	8869.0	824.5	:		: :	1 1	9 6	4 to 0	252.7	*	11812	96.2	100	0.001		*	*	0 0 0 0	15842.1	3	1	8 8	8 0	:		8 8	*	1 8	1 1	:		! !	*	15842.1
		AGRIC, PRODUCTS	NONMETAL, QUARKIES MEAT, DAIRY, FRUIT SEC. FISH PRODUCTS	MISC. FOOD PROD.	TEXTILES, CLOTHING	PULP-PAPER & PROD	PRINTING FABRIC METAL PROD	MACH. & EQUIPT.	TRANSP. EQUIPI.	FERT, PAINT, SOAP	MISC. MFG. PROD.	TRANSP TRAVELENT	RADIO, TEL, TELEG.	E.POWER, WATER, GAS	DISTRIBUTION ALITO OPERATION	FINANCERE	DWELLING SERVICES	HOTELS, REST.	BUSINESS SERVICES	TOTAL INTERINPUT	TAXES	NON COMP IMPORTS	WAGES & SALARIES	UNINCORP.BUS.INC.	PROFIT, RENT.INT.	HOLISEHOLD INCOME	EDUCATION & HOSP	PROVINCIAL REVENUE	MUNICIPAL REVENUE	FEDERAL REVENUE	TOTAL PRIMARY	EACTOB INCOMES	GROSS DOM. PROD.	EMPLOYMENT	TOTAL OUTPUT
		-00					12	7	15	17	00 0	200	21	22	23	25	26	27	28	30	31	27	34	35	36	30	39	40	41	42	44	V	46	47	90

MODEL 1 NOVA SCOTIA, 1960 - OUTPUT AND SUPPLY FLOWS J.M (\$'000)

1		AGRIC. PRODUCTS	FORESTRY	PRIMARY	COAL	NONMETALS. QUARRIES	NONMETALS, MEAT, DAIRY QUARRIES & FRUIT	SEC. FISH PRODUCTS	MISC. FOOD PRODUCTS	S.DRINKS. DIST,BREW	TEXTILES, CLOTHING
		çand	7	m	4	80	9	7	00	6	10
-	A COLCILITIBE	45532.0	4109.9	1	9	1	1	1	*	*	l,
7	FORESTRY		16434.2		0 0	1		1 1	: :	! !	: :
1 60	PRIMARY FISHING	9	:	27094.4	43333 5	1 1	0 8 9	1	:	8	1
4	COAL MINING.	1 1	0 0	0 4 2	2.0000	14106.4	1	1	8 0	1	1
2	MEAT DAIRY FRUIT		1	1	1	1	33316.2	07.73		: !	1 1
70	SECONDARY FISHING	4	•	1	!		0.741	5.16/05	28792.0	# # #	***
00	MISC. FOODS, NES	1	1	: :	! !		1			12513.7	:
6	S.DRINK, DIST, BREW	1 1	1 1	1 1	1	1	8	1	1	1	16804.7
2 =	SAWMILLS WOOD PR.		1	1	1	}	1	:	*	1 1	: :
12	PULP-PAPER & PR.	1	1	1	1		: :	: :	: :	1	:
13	PRINTING	:	8 4	}	} ;	r 1	1	*	;	;	1
4	IRON-STEEL MILLS	: :	}	: :	1	;		;	1	!	1
15	MACH & FOLIPT	1	:	;	-	;	1	1	1	1	;
17	TRANSP. EOUIPT.		1	:	1	!	1	;	: :	; ;	3 1
18	ELECTRICAL EQ.	1	:	*	1	1 1	. !	: :		;	:
19	NONMET.MINERAL PR	1	1	: :	1 1	1 1	:	}	*	:	;
20	PEIKOLEUM KEF		1	1 1	;	4	1	:	1	:	1
17	MISC MANITE	;	1	1	1	1	!	;	}	;	5 5
23	CONSTRUCTION	1	1	;	}	1 0	!	*	!	1	: 1
24	TRANSP, TRAVEL, ENT		ŧ	1	1	1	1 1	: :	: :	: :	: :
25	RADIO, TEL, TELEG	1	:	: :	1 1	: 1	:	:	;	;	•
26	E.POWEK, WAIEK, GAS		: :	:	1	;	1	!	1	;	:
78	DISTRIBUTION ATTO OPERATION		1	;	•	;	:	1	1	}	:
20	FINANCERE	:	1	\$ 0	1	;	;	:	•	1	!
30	DWELLING SERVICES	1	1	:	•	1	: :	: :	: :	1 1	; ;
31	HOTELS, REST.	:	1	: :	1 0	1 1			;	;	:
32	PERSONAL SERVICES		1 1	: :	1	1	!	1	;	1	!
34	TOTAL OUTPUT	45532.0	20544.1	27094.4	43333.5	14106.4	33463.2	56791.3	28792.0	12513.7	16804.7
35	IMPORTS - NS		32.0	1 1	: !	!!	6008.0	367.0	8568.0	245.0	1393.0
36	IMPORTS - NB	7	224.0	•	1	5	3630.0	387.0		1 0	180.0
300	IMPORTS - NFLD		1 1	9057.0	100	49			500.0	53111	33437 1
39	IMPORTS - RES	. 11237.1	432.6	9056.8	-0.5	493.1	43071.2	3610.6			35010.1
4	TOTAL SUPPLY	. 60014.1	21232.7	36151.2	43333.3	14599.5	76534.4	60401.9	51268.4	18069.8	51814.8
42	TOTAL INTER.DEM.		15127.7	33115.2	13297.8			1437.6	9848.9	220.7	4340.2
44	TOTAL DOM.FIN.DEM	39096.1	3306.0	3036.0	24441.4	11278.4	5237.2	41			13713.9
45	TOTAL DEMAND.	60014.2	21232.7	36151.2	43333.3	14599.5	76534.3	60401.8	51268.4	18070.4	51814.8

MODEL 1 NOVA SCOTIA, 1960 - OUTPUT AND SUPPLY FLOWS J.M (\$'000)

AGR FORN PRIN FORN FORN FORN FORN FORN FORN FORN FOR	AGRICULTUREPROBESTRY FISHING						,				
	ICULTURE	11	12	13	14	15	16	17	18	19	20
	ESTRY	:	1	1	•	:	!	!	1	:	1
	AARY FISHING	-	1		1	1	1	1	E 0	ê	
	CZIZIZ	t	0 0	1	1	:	1	1	*	1	9
	Dailed a to Control of	!	* *	1		1	:		: :	: 1	:
	METAL, QUARKIES	6	:	*	9 1	0 1	8 8	1	:		
	MEAL, DAIK I, FROIT	1 1	1 1	1			:	1	1	1	*
	FOODS NES		1	1	1	1	:	1	1	1	1
	MISC. FOUS, RES		13.8	0 0	1	:	:	1	:	!	•
	TEXTILES.CLOTHING	!	:	1	P 4	0 0	1	:	:	!	:
	SAWMILLS, WOOD PR.	28581.4	:	•	1	•	* 0	1	8	!	1
	PULP-PAPER & PR	1	25766.9	12.5	8	1	1	1	1	!	:
	DZIEZ	:	:	11629.7	202637	-		1	:	:	1
	IRON-STEEL MILLS	8		:	65/50.3	16108 9	7864	8		0 1	4 1
	AL FABRIC	: 1	: :		0 0	0.00101	5293.1	1	1		
	TRANSP FOITIPT		:	8 0	8.0	8.68	425.0	28482.5	:	1	1
	ELECTRICAL FO	8	8 6	1	:	1	8 8	1	3015.0		4.0
	NONMET MINERAL PR	1	•		1	!	•	!	:	6047.4	•
	PETROLEUM REF	•	1	;	1	1	1	}	1	6 6	65275.0
	FERT, PAINT, SOAP	1	*	1	1	10	1	1	1	***	1
	MISC. MANUF.	1	!	1	1	4.0	:	3 0	:	:	1
•	CONSTRUCTION	# P		-		: 1	0 1		: :	0 4	1 1
	IKANSK, IKAVEL, EN I	•	B 0	0		: :					1
	KADIO, I EL, I ELEG			1	8	!	3	1	* **	1	1
	DISTRIBITION	1	8	1	-	:	:	1	1	1	1
	AUTO OPERATION	8 8	:	;	1	*	1	8	:	1	1
	FINANCERE	1	*	1	10		:	:		:	;
	DWELLING SERVICES	!	1	1	0 0	1	:	1	:	1	1
	HOTELS, REST.	1	1		9 9	1	•	1	:	1	
	PERSONAL SERVICES		4 0 0 0	: :	1 1	: :	1 1	: :		1 1	
	STATES SERVICES		1 60120	11642 3	7 02127	7 50531	× 184 ×	78487 5	30150	6047 4	0 52259
34	IOIAL OUIPUI	4.18581.4	7.007.67	7.74011	03/30.3	0.70701	0.104.3	70407	0.0100	100	0.57750
	PORTS - NS	0.177	30	: :	1 1	0 606	87.0	30.0	1480.0	1538.0	7776.0
	PORTS - PEI			;	8	1 0	1	1	:		
	PORTS - NFLD			1			1 1 1 0 7 1		1104011	640.0	1 20201
39 IMI 40 TO	IMPORTS - RES	13480.2	6588.6	396.4	3512.9	11668.1	77063.9	5174.4	12529.2	12893.3	20372.6
41	TOTAL SUPPLY	42061.6	32369.2	12038.6	69263.1	27870.7	83248.4	33656.9	15544.2	18940.7	85647.5
							0.00	0 0000	0.1004	0.04	
43 TO	TOTAL INTER.DEM	7602.7	11439.9	4813.0 6125.6	10320.4	21430.0	23401.9 58560.4 1286.8	13760.4	8892.7 2370.2	255.8	18023.1 29675.1 37949.6
	IAL EAFORIS			2							
45	TOTAL DEMAND	42061.5	32369.3	12038.6	69263.3	27870.8	83249.0	33656.9	15544.2	18940.7	85647.7

MODEL 1 NOVA SCOTIA, 1960 - OUTPUT AND SUPPLY FLOWS J.M (\$'000)

		FERT, PAINI & SOAP PR.	MISC. MFG. PROD.	CON- SIRUCTION	TRANSP. IRAVELENI	RADIO,TEL, TELEG.	ELEC.POWER WATER.GAS	DISTRIBUTN	AUTO	FINANCE, R.E.	DWELLING SERVICES
		21	22	23	24	25	26	27	28	29	30
-	AGRICHITHRE	6 8	1	1	;	ę 0	1	!	8 8	:	4222.0
7	FORESTRY	1	1	1	*	}	;	}	1	1	1
3	PRIMARY FISHING	1	1	:		1	:	1	1	1	:
4	COAL MINING	:	;	;	;	1	1	1	; ;	1 1	: :
5	NONMETAL, QUARKIES		!	;	, !	: :	: :	1	;		;
01	MEALIDAIRY, TRUIT		1 1	} }	: :	}	}	;	-1	;	!
- 00	MISC. FOODS NES	1	1	1	1	;	1	-	:	1	ŧ .
00	S.DRINK, DIST, BREW	:	1	;	t T	1	:	;	;	:	!
10	TEXTILES, CLOTHING	:	:	;	2 3	1	1	}	1	1	;
= :	SAWMILLS, WOOD PR.	1	1	1	1	: :	1 1	1 1	; ;	1 1	; ;
7 7	PULP-PAPEK & PK	: :	: :	: :	: :	: :	1	1	;	1	;
0 4	IRON-STEEL MILLS	750.5	:	}	;	1	1	1	:	;	;
15	METAL FABRIC		28.2	-	1	!	:	;	}	1	1
91	MACH. & EQUIPT.	1	1	;	:	1	1	1	1	1	1
17	TRANSP. EQUIPT.	1	:	1	1	1	*	1		;	:
∞ ⊆	ELECTRICAL EQ.	: :	: :	* !	: 1	3 1	: :	: :			: ;
20	DETROI FIIM REF	1		;	1	}	:	}	1	1	1
2 - 7	FERT PAINT SOAP	5768.2	;	*	:	;	:	:	;	1	1
22	MISC. MANUF.		1665.9	1	1	;	1	;	;	;	;
23	CONSTRUCTION	;	1	232762.5	1 2	1	}	1	1	1	:
24	TRANSP, TRAVEL, ENT	1	:	1	145218.6	1 6	:	;	:	:	1
25	RADIO, TEL, TELEG	-	:	;	;	22846.3	235543	8		!	
70	E.POWEK, WAIEK, GAS	:	:		;	1 1	5,400,70	1586938	: 1	: :	: 4
17	DISTRIBUTION ALITO OPERATION	: 1	! !	: :	: :	1	1	1	63684.6	:	
070	FINANCE & F	1 1	:	1	:	1	1	1		59125.8	8
30	DWELLING SERVICES	1	1	1	1	1	1	1	:	;	84456.6
31	HOTELS, REST.	;	:	}	:	1	1	1	!	!	!
32	PERSONAL SERVICES	1	!	;	1	:	1	:	1		1
33	BUSINESS SERVICES	;	:	:	:	3	1			6	,
34	TOTAL OUTPUT	6518.7	1694.1	232762.5	145218.6	22846.3	32554.3	158693.8	63684.6	59125.8	88678.6
35	SN - ST BOOM	1	;	1	1	;	;	1	;	:	1
36	IMPORTS - NB	771.0	180.0	;	;	1	0.9		6 0	3 0	}
37	IMPORTS - PEI	1	;	;	1	:	1	1	1	1	1
38	IMPORTS - NFLD		: 1	:	*	;	1	!	;	•	1
39 40	IMPORTS - RES TOTAL IMPORTS	6739.1	294.7	! !	: :	: :	0.9		11.1	: :	1 1
41	TOTAL SUPPLY	13257.8	1988.8	232762.5	145218.6	22846.3	32560.3	158693.8	63684.6	59125.8	88678.6
:					:					0	
4 4 4 2 6 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	TOTAL INTER.DEM. TOTAL DOM.FIN.DEMTOTAL EXPORTS	7508.2 956.5 4793.1	1027.8 637.5 323.5	35081.0 197681.3	70560.0 43610.8 31047.6	12704.4 8568.1 1573.8	13347.0 18431.3 782.0	33532.6 123148.8 2012.1	13050.1	536/8.2	88678.6
45	TOTAL DEMAND	137578	1988	2227622	145218.3	22846.3	32560.3	158693.4	63684.6	59125.7	88678.6
2	TOTAL DEVICE CONTRACTOR		0.000	1							

MODEL 1 NOVA SCOTIA, 1960 - OUTPUT AND SUPPLY FLOWS J.M (\$'000)

TOTAL	34	53863.9	27094.4	43333.5	14106.4	33316.2	28792.0	12527.5	16804.7	28581.4	116297	66500.8	16603.4	5293.1	20150	60474	65275.0	5768.2	6,69.9	232/62.3	22846.3	32554.3	158693.8	63684.6	84456.6	26409.6	47356.4 22586.0	1464062.0	1	34319.0	1,445.0	252535.8	305163.7	1769222.0	510702.8 942858.7 315649.0	1769210.0
BUSINESS SERVICES	33	š 1	1 1	:	f	6	!!!	1	1	1 1	6 I	ž I	1	1		8	:	3 1	1	1 6	}	0.0	1 0	1	0 8	:	22586.0	22586.0	1	1	1	b B 0	8 8	22586.0	19607.2 2978.8	22586.0
PERSONAL SERVICES	32	1	: :	1	1	:		9 6	# #	:	1 1	0 2	i	1	8 2	1	1	6 9	1	1		2 1	1	5 6	3 B	:	47356.4	47356.4	0 0	1 0	1	! !	•	47356.4	2815.7 44540.7	47356.4
HOTELS, REST.	3.	;	1	1 1	£	:	! !	1	8	1	1	8 6	1	1	1	;	1 1	ì	}	1	: !	1 1	1	b c	1 1	26409.6		26409.6	40.46	g g	;	1 1	}	26409.6	1919.0 24490.6	26409.6
			FORESTRY DEBINA DE MICHINE			MEAT, DAIRY, FRUIT		MISC. FOODS, NES				TRON-STEEL MILLS					DETROI FIIM REF				4 TRANSP, TRAVEL, EN I						32 PERSONAL SERVICES					38 IMPORTS - NFLD		41 TOTAL SUPPLY	TOTAL INTER.DEM	45 TOTAL DEMAND

	AGRI.	FORESTRY	PRIMARY	COAL	NONMETALS, QUARRIES	MEAT.DAIRY & FRUIT	SECONDARY FISHING	MISC. FOODS,NES	S DRINKS, DIST, BREW	CLOTHING
	-	2	m	4	NO.	9	7	90	6	10
AGRIC. PRODUCTS	1598.6	156,6	633.2	557.1	30.3	13291.2	100.5	579.4	1 ;	0.3
PRIMARY FISH	I	1 1	1 1	7377	176.8	1 89 8	33115.2	20.4	26.9	49 8
NONMETAL, QUARRIES			306.0			8.9	198.4	20.4	0.0	1
MEAL, DAIRY, FRUII	1 1	: :	1210.5	1 ;		200	4:04	43.3	0.07	: :
MISC. FOOD PROD.	6405.0	;	1	1		424.2	111.9	1864.0	1040.9	}
S.DRINK, DIST, BREW TEXTILES, CLOTHING	195.2	6.0	478.8	1 5	1 1	5.0	46.4	12.5		2965.3
SAWMILL, WOOD PROD	1109.3	32.4	272.8	450.0	547.6	53.4 900.9	775.9	10.4	412.0	42.6
PRINTING	1	1	;	: 0	; ;	43.9	91.1	136.3	80.3	0.61
FABRIC. METAL PROD	199.8	3.7	564.3	1481.6	16.0	1283.8	249.3	3.8	243.3	33.9
MACH. & EQUIPI. TRANSP. EQUIPT.	7.177	4:401	642.9	2,0002	C: 207	0.00	-	7:00		0.000
ELECTRICAL EQ	0.00.0	13.8	5.66	221.5	7.7		! !	: !	0.1	1 1
PETROLEUM PROD.	1263.2	9.66	990.1	32.2	151.0	201.4	269.3	183.4	75.8	40.2
FERT, PAINT, SOAP MISC, MFG, PROD.	13//.5	: :	146.8	0./1	32.1	7.7	93.0	C.4/	04.3	707.7
CONSTRUCTION	1894.0	548.0	1243.0	424.0	293.0	2179.6	343.8	165.3	52.1	79.0
RADIO, TEL, TELEG.	250.0		1 1	150.0	63.5	45.45	308.4	61.3	19.9	225.2
E.POWER, WATER, GAS	1396.6	54.0	730.7	1969.0	162.2	1516.9	870.9	887.8	226.2	146.6
AUTO OPERATION	3007.0	22.5	45.0	126.5	120.0	10.0	1.6	74.5	20.8	2.18.3
DWELLING SERVICES				;	1	1	! !	1	1	1
PERSONAL SERVICES	450.0	7.3	: : :	100.0	116.0	24.2	155.1	56.5 891.1	40.0	16.7
TOTAL INTERINPUT	22643.9	1785.5	9856.1	13175.7	3396.3	23810.2	41896.7	10726.1	4839.2	6761.8
TAXES	2389.0	248.3	121.5	1078.0	447.5	534.2	793.7	440.8	266.2	152.6
SUBSIDIES NON-COMP. IMPORTS	0.869	48.1	498.1	1194.8	691.1	511.8	1080.9	8617.5	1283.1	3299.4
WAGES & SALARIES	5124.7	7470.7	98182	29552.0	2795.9	6173.9	1000.0	5571.6	2083.9	4236.0
PROFIT, RENT, INT.	- 7704		1066.4	-1399.6	6235.6	1607.8	1897.4	2065.9	2597.7	7.7191
HOUSEHOLD INCOME	23337.7	12945.6	15201.7	28152.4	3122.9	7181.6	11756.5	7206.3	4381.8	4479.0
PROVINCIAL REVENUE	163.0	240.4	-50.0	168.0	356.0	204.7	3.0	101.5	64.4	2.5
MUNICIPAL REVENUE	2189.0 -133.7 698.0	4.1 235.4 48.1	-298.4 -498.1	600.0 -1776.9 1194.8	2590.3 4010.9	322.3 355.0 764.1	748.8 447.3 1080.9	323.9 401.4 9162.7	198.7 571.8 1514.2	129.8 252.4 4742.0
TOTAL PRIMARY	31220.0	14648.7	17238.3	30157.8	10710.1	9506.0	15041.5	18065.9	7688.9	10042.9
FACTOR INCOMESGROSS DOM. PRODFAPI OYMENT	23337.7 30522.0 2500.0	13177.2 14600.6 2750.0	15429.6 16740.2 6000.0	28152.4 28963.0 7864.0	9031.5 10019.0 777.0	7781.7 8994.2 2189.0	12161.9 13960.6 4039.0	8137.5 9448.4 2153.0	5181.6 6405.8 550.0	6153.7 6743.5 2127.0
TOTAL OUTPUT	53863.9	16434.2	27094.4	43333.5	14106.4	33316.1	56938.2	28791.9	12528.1	16804.7

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	SAWMILLS, WOOD PR	PULP-PAPER & PROD	PRINTING	IRON-STEEL MILLS	METAL FABRIC.	MACH. & EQUIPT.	TRANSP. EQUIPT.	ELECTRICAL EQUIPT.	NONMET. MINERAL PR	PETROLEUM REF.
	=	12	13	14	15	16	17	<u>**</u>	61	20
AGRIC. PRODUCTS FORESTRY PRODUCTS	9444.8	4067.4	1 0	: 1	0.2	0.1	20.9		0.2	1.1
COAL COLABBIES	23.6	64.0	2.9	8648.8	7.1.7	5.8	144.0	: : :	83.6	1 1 1
MEAT, DAIRY, FRUIT.	1 1 7	0.12	1 1 6	1.700		:	;	1		1
SEC. FISH PRODUCTS	4.7	20.5	S.S.	: :	1 1	: :	: :	! !	1 !	9 9
S.DRINK, DIST, BREW	311.9	2.8	5.6	# # # # # # # # # # # # # # # # # # #	1 1	: :	0.1	: :	1 1	1 1
SAWMILL, WOOD PROD	4126.9	110.6	0.8	288.3	41.4	10.5	312.6	0.7	9.96	: :
PRINTING IRON-STEEL PROD	1.3		235.6	11.9	2751.9	280.5	676.5	0.3	71.3	646.7
FABRIC. METAL PROD	251.1	268.6	13.5	581.6 2759.6	690.1	207.4	2786.4	36.0	301.5	698.0
TRANSP. EQUIPT.	: 1	; ;	1 1	: 1	5/5.9	: 1	478.2	302.1	: : :	: :
NONMET.MINERAL PR.	164.7	104.1 297.5	20.6	1337.2	20.0 88.0 70.6	13.7	133.1	1 = 2	160.8	1745.5
FERT, PAINT, SOAP	596.5	1 1 4 5 4	0.3	7.67	0.0/	0.17	0.114	0.1	3 8 1 0 8 1	2,40
CONSTRUCTION TRANSP, TRAVEL, ENT		102.0	76.0 291.3	1515.0 4501.6	1226.9	361.8	322.0	10.0	36.8	1227.1
RADIO, TEL, TELEG. E. POWER, WATER, GAS		126.0	487.3	379.3	128.7	23.3	239.4	14.2	4. 4. 6.	387.2
DISTRIBUTION AUTO OPERATION	497.3	1124.1	116.0	2635.3 52.3	710.3	185.8	1029.3	40.6	252.6	409.8
FINANCE, R.E. DWELLING SERVICES		1524.7	177.4	348.2	323.5	135.2	397.6	1.80		9.1871
HOTELS, REST	18.4	21.3	6.8	34.2	25.0	7.1	16.3	23.5	34.8	19.3
TOTAL INTERINPUT	18312.4	14505.2	3109.4	26241.5	8723.3	1723.4	11758.3	6.169	3058.7	8060.2
TAXES	398.6	294.4	376.9	1010.1	232.9	47.5	213.6	8.2	58.2	406.4
NON-COMP. IMPORTS	188.0	789.9	844.5	10901.0	1327.7	646.0	1624.4	59.9	1384.1	43848.4
UNINCORP.BUS.INC		2	1000.0	5408.9	979.4	599.0	1174.9	866.0	1174.1	6885.6
DEPRECIATION HOLD INCOME		1610.7	6322.8	22697.2	5196.8	2475.6	14227.3	1345.3	2307.3	36353
EDUCATION & HOSP			10.01		10.9	15.6	20.3	0.1	20.4	: : !
MUNICIPAL REVENUE	300.9	290.4 806.8 1823.2	228.3 538.6 1263.3	963. 866. 14754.	214.4 71.1 1955.5	27.7 4.2 946.0	180.5 227.5 2400.9	5.9 2.2 925.9	35.6 253.1 69.4	402.7 1111.8 48625.9
TOTAL PRIMARY	. 10269.0	11274.2	8520.3	40259.3	7880.1	3569.7	17239.0	2323.1	2988.7	57214.8
FACTOR INCOMES. GROSS DOM. PROD.	9293.6 10081.0 3235.0	8579.2 10484.3 1567.0	7141.6 7675.8 1319.0	27706.1 29358.3 4364.0	5888.1 6552.4 1228.0	2775.6 2923.7 590.0	15218.5 15614.6 3716.0	2211.3 2263.2 315.0	2558.2 2919.3 448.0	9520.9 13366.4 411.0
TOTAL OUTPUT	28581.4		11629.7		16603.4	5293.1	28997.3	3015.0	6047.4	65275.0

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	FERT, PAINT & SOAP	MISC. MANUF.	CON-	TRANSP. TRAVEL.ENT	RADIO, IFL, FELEG.	ELEC.POWER WATER.GAS	DISTRIBUTN	AUTO	FINANCE, R.E.	DWELLING SERVICES
	21	22	23	24	25	26	27	200	29	30
AGRIC, PRODUCTS	1	1	38.6	;	;	1	3.4	1	1	1
FORESTRY PRODUCTS	3 1	1 1	212.6	1 1	1 1	1 1	1 1	1 1	1 1	: 1
COAL	- 01	0.0	1.7	284.9		3000.0	; ;	1 1	1 1	1 1
MEAT, DAIRY, FRUIT	1.0	0.0	1./011	2: 1	1	1	; (1	1	1
SEC. FISH PRODUCTS	29.2	1	; ;		1 1	} }	118.2	1 1	[[; ;
S.DRINK, DIST, BREW		1 1	1 1			1 1	1 1 1	1		1 1
TEXTILES, CLOTHING	1 1	26.6	18866.0	8.0	1 1	1 1	155.1	1 1	1 1	1 1
PULP-PAPER & PROD	115.9	25.6	1806.9	9.0	10001	1 9	421.9	1	1	1
PRINTING IRON-CTEF! PROD	7.77	70.3	3089.3	556.0	8.601	0.01	1 1	: :	1 1	1 1
FABRIC, METAL PROD.	87.6	0.61	12573.0	344.5	206	4.1	15.5	0.07.0	0 028	1
MACH. & EQUIPI. TRANSP. EQUIPT.	0.212	10.01	0.0762	5166.5		0.012	450.0	0:0/7	0.000	1 3
ELECTRICAL EQ	;	}	2915.9	58.5	1	29.1	1	1	1	1
NONMET.MINERAL PR.	63.1	7.6	15072.7	7337.0	1 1	499.1	775.6	1 1	1 1	1 1
FERT, PAINT, SOAP	188.4	32.8	3427.3	57.8	}	12.9	1	9.68	1	1
MISC. MFG. PROD.	376	- 4	189.0	9.4	1043.0	2132.0	840.0	421.0	364.0	0.00591
TRANSP, TRAVEL, ENT	247.5	6.99	19932.0	5991.6	137.5	1796.6	14018.3	2493.1	9.3	
RADIO, I EL LECG. E. POWER, WATER, GAS	74.3	9.0	700.4 599.3	1844.1	290.0	0.101	1581.7	505.7	91.0	; ;
DISTRIBUTION	128.8	29.1	12362.4	2128.6	32.5	975.4	794.9	1538.3	5.7	1
AUTO OFEKATION FINANCE, R.E.	94.9	35.0	9638.8	8661.8	256.0	165.2	8985.3	4875.0	1173.0	1159.1
RVICES	1	1	-	- 10101	1	b 1	1 1	1	1	1
PERSONAL SERVICES	1.8	33.6	77.3	464.4	30.0	479.0	396.7	0.000	340.0	! !
TOTAL INTERINPUT	2150.6	433.6	114026.9	52047.1	2849.8	9760.4	37028.9	10712.7	3293.0	17659.1
TAXES	32.5	35.3	774.0	9202.7	585.0	1810.0	2734.5	4170.0	6981.1	13790.9
	1	1	1	-11270.9		-1102.8	1			
NON-COMP. IMPORTS	1088.0 942.8	209.4 670.4	15766.1 80568.1	4316.1 53604.0	580.2 9826.4	7411.4	2271.3	22254.3 14000.0	7468.0	: :
UNINCORP.BUS.INC	- 400 0	2 700	13000.0	8129.0	0 8073	- 10,000	14000.0	6000.0	3000.0	0 000
DEPRECIATION	153.4	33.7	2689.7	15646.8	3306.0	3905.1	8483.0	1666.1	4558.0	27803.8
HOUSEHOLD INCOME	1096.5	896.5	96776.3	62276.7	12402.8	12570.5	99624.6	21108.0	24704.9	20202.8
PROVINCIAL REVENUE	2.8	7.8	451.0	8287.9	317.0	56.0	338.0	3970.0	4162.9	1 1
MUNICIPAL REVENUE	27.3	24.6	300.0	844.8	1288.0	1751.0	1719.8	200.0	2808.2	13790.9
IMPORT LEAKAGE	2335.2	209.4	17566.9	17316.1	2502.7	4263.4	7516.1	25527.8	19088.8	5000.0
TOTAL PRIMARY	3617.6	1236.3	118735.2	93171.3	19996.5	22793.8	121664.8	52971.9	55832.8	66797.4
FACTOR INCOMES GROSS DOM. PROD. FMPI OYMENT	2343.7 2529.6 250 0	957.9 1026.9 182.0	99505.5 102969.1 24600.0	75276.7 88855.3 15000.0	15525.3 19416.3 3100.0	18086.3 22698.6 1800.0	108176.1 119393.6 24350.0	24881.5 30717.6 6926.0	36825.7 48364.8 4000.0	25202.8 66797.4 206.0
TOTAL OUTPUT	5768.2	1669.9	232762.1	145218.4	22846.3	32554.2	158693.7	63684.6	59125.8	84456.6

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		HOTELS, REST.	PERSONAL	BUSINESS SERVICES	PERSONAL CONS.	CAPITAL	INVENTORY CHANGE	FED. GOVT. DEFENCE	FED. GOV1. CIVIL	PROVINCIAL GOVT.	MUNICIPAL GOVT.
		31	32	33	34	10	36	37	30	39	40
- 0	AGRIC. PRODUCTS	; ;	: :	: 1	38267.0	625.0	-116.0	: 1	90.4	13.7	9.5
m 4		210.0	: :	1 1	4700.0	1 1	-1068.3	1206.8	94.2	21.3	0.09
5.0		5 ¢	0 0		64781.0	1 1	50.4	6.0 520.6	160.1	25.1	35.7 17.2
r 0		: :	: :	1 1	6250.0	\$ 9 9 9	736.7	8.96	57.7	3.1	17.9
000		1 1	*** 56.6	- 40	16008.5	1 1	21.3	: :	98.5	0.5	54.8
0 -		317.6	361.0	r f	6250.0	6.179	468.8	367.1	265.7	15.0	2.2
12		10.9	59.0	3860.0	3074.0	: :	10.5	: :	1.91	1590.0	101.7
4 5	IRON-STEEL PROD	: :	1 1	70.4	: :	417.2	-51.3	358.6	78.5	40.4	: :
100		: 1	575.0	: :	: :	57011.9	-135.8	639.8 9631.4	238.1	719.1	57.6
- 80		*	1 4	55.0	5505.6	16.4	74.1	3027.8	32.7	35.0	23.2
20		640.0	49.5	23.0	24885.8	1 1	2641.8	700.4	314.6	387.9	180.0
21		99.0	398.0	203.0	459.4	: :	257.7	1.00.7	142.0	20.3	1.60
23	CONSTRUCTION	87.0	392.0	0 000	2 371176	115170.3	8 1	11700.0	14590.0	32442.0	3127.0
24		527.9	689.2	2447.3	7800.0	: :		257.7	141.6	129.7	121.9
26	E.POWER, WATER, GAS	1013.4	510.0	150.0	13398.5	1 1	; ;	2254.4 895.9	224.2 572.1	86.2	1299.8
28		266.0	C.100		49764.0	1	:	160.0	122.0	711.7	237.8
30	FINANCE, R.E. DWELLING SERVICES	1757.0	3234.6	826.1	88678.6	8 B	1	1 1	0.720	210.7	2000
31	HOTELS, REST.	851.4	63.0	1 1	24111.5	: :	: :	183.0	116.9	9.5	1 1
33		835.4	75.0	31.7		6 1	*	103.8	492.3	1650.1	217.5
34	TOTAL INTERINPUT	8216.0	7984.3	9479.0	619227.0	177194.7	5724.0	33247.4	21589.3	42409.1	8595.5
35		1911.2	2758.6	1560.3	101814.0	1	1	20.0	20.0	158.0	67.6
36		304.4	1798.3	3167.3	78584.0	1 1	1 1	851.5	536.8	720.5	653.9
300			14732.4		1 1	1 1	: :	24000.0	0.44.0	14/42.5	0.07.00
40			4539.4		8 8	•	:	1 0	8 2	11580.0	3984.0
41		1359.0	31723.9	288.8 8025.8	1 :	1 [1 1	54000.0	56744.0	20745.3	0.07001
43	EDUCATION & HOSP	•			5063.0		1	: :	1 1	1 1	; ;
44		810.0	2367.1	13	5924.0	: !		1 1 1	1 1 6	1 1 6	
46	FEDERAL REVENUE		505.5	(7)	57683.0 78584.0	1 1	1 1	20.0	20.0	6300.5	2637.9
48		18193.6	39372.1	13107.0	180398.0	1	:	54871.5	57300.8	27203.8	12775.5
49	GROSS DOM. PROD.	14619.0	33823.8	8090.6	101814.0	1 1 1	111	54000.0 54020.0 12000.0	56744.0 56764.0 14000.0	26325.3 26483.3 4000.0	12054.0
5.7		26409.6	47356.4	22586.0	799625.0	177194.7	5724.0	88118.9	78890.1	69612.9	21371.0
4											

49	1068.0							V	200	118	23	3794	4793.1	1	3104	782.0	2012					315651.0	. 4 7 0 0	-000-						-8864.8		-8864.	0 0 7 7 0 0	.000-	306786.2
			427	422.0	1143.0	792.0							37.0		; ;			: :	1 1	1	†	24332.9	;	1 1	1 :	1	1 1	1	: :	! !	1	;	;	1 1	24332.9
48	136.0	363.0	0.61	335.0	481.0	271.0	0.081	145.0	453.0	28.0	2.0	3221.0	355.0	2 ;	; ;	1	: :	1 1	1 1	1	1	9196.0	1	! !	: :	;	1 1	1	; ;	1 1	1	:	:		9196.0
47	2080.0	3036.0	312.0	0.0051	1523.0 823.0	1016.0	1040.0	0.5901	874.0	192.0	7.0	15532.0	1592.0	: 1	; ;	782.0	1 1	:	; ;	1	:	38052.0	1	: :	; ;	1	1 1	- (: :		!	:	1	1 1	38052.0
46	; ;	; ;	;	: :	1 1	;	1 1	1 1	1 1	1 1	1	: :	; ;	1	1 1	1	1 1	1	: 1	1	1	;	1		: :	1	å 1 å 1	;	: :	1 1	4 4	;	1		:
45	5.5	20012	2323.4	8107.5	4476.2	11618.8	339.1	100.0	3416.1	3638 1	2347.7	8620.7	1669.9		27381.5		1012.1	1	: :	!	1	136447.2	0 6 4 4 0	0.4000-	: :	;	: :	!	; ;	-8864.8	;	-8864.8		1	127582.4
44	1613.5	0.000	8197.0	42753.2	92.4	16.1	18373.8	9 03001	19262.8	371.7	10.5	665.9	766.2	1	3666.1	1	0.0001	1	1 1	1	;	107623.1	;	; ;	: :	ì	1 1	1	1 1	1 1	1	6 2	: :	:	107623.1
43	39096.1	5.504	92.1	6337.6	33707.9	33760.7	970.5	6125.6	843.4	58560.4	8892.7	29675.1	956.5	197681.3	43610.8	18431.3	123148.8	5447.6	88678.6 24490.6	44540.7	8.8/67	942861.6	102116.8	87272.5	183973.3	19290.0	1939733	5063.0	33144.0	57985.8	96562.5	392652.5	203263.3	45000.0	1335510.0
42	206.5	2601	1.502	26.8	131.5	152.7	42.8	503.8	1 1	1 1	115.5	98.86	253.1	7389.0	1179.2	489.2	1169.3	226.1	145.1	156.6	7.047	14535.8	7.0	4188.2	19203.0	775.0	19603.0		; •	7.0	4563.2	24173.2	19978.0	4500.0	38709.0
41	: 1	3110	0.110	; ;	1 1	1 6	128.3	829.5	1 1	29.7	97.4	465.8	135.6	13263.0	2032.0	679.0	748.4	562.2	234.0	113.0	6.897	20339.1	30.2	1737.7	31211.0	2951.0	32811.0	1	1 1	30.2	3088.7	35929.9			56269.0
																	DISTRIBUTION	FINANCE, R.E.			B	TOTAL INTERINPUT	TAXES	NON-COMP. IMPORTS.	WAGES & SALARIES	PROFIT, RENT, INT.	DEPRECIATION HOUSEHOLD INCOME	EDUCATION & HOSP	PROVINCIAL REVENUE	FEDERAL REVENUE	IMPORT LEAKAGE	TOTAL PRIMARY	FACTOR INCOMES	EMPLOYMENT	TOTAL OUTPUT
	42 43 44 45 46	AGRIC, PRODUCTS	AGRIC, PRODUCTS 206.5 39096.1 1613.5 252.0 FORESTRY PRODUCTS 3306.0 2546.0 253.0 PRIMARY FISH 341.0 256.1 556.1 283.0	AGRIC. PRODUCTS	AGRIC. PRODUCTS 41 42 43 44 45 46 FORESTRY PRODUCTS 206.5 39096.1 1613.5 252.0 - PRIMARY FISH - - - - - - COAL 311.0 269.1 5594.1 280.0 20012.4 - NONMETAL, QUARRIES - - 1527.5 68404.4 1354.5 - SEC, FISH PRODUCTS - - 26.8 6337.6 42753.2 8107.5	AGRIC. PRODUCTS 26.5 39096.1 1613.5 252.0 FORESTRY PRODUCTS 259.1 2590.0 253.0 FRIMARY FISH 280.0 269.1 2594.1 280.0 20012.4 FORMARY FRUIT 280.0 269.1 8197.0 2323.4 FORMARY FRUIT 280.0 253.0 FORMARY FRUIT 280.0 253.0 FORMARY FRUIT 280.0 253.0 FORMARY FRUIT 280.0 FOR	AGRIC, PRODUCTS	AGRIC. PRODUCTS	AGRIC, PRODUCTS	AGRIC. PRODUCTS	AGRIC. PRODUCTS	AGRIC. PRODUCTS 43 44 45 46 FORESTRY PRODUCTS 26.5 39096.1 1613.5 252.0 252.0 PRIMARY FISH 26.3 3306.0 2546.0 253.0 253.0 COAL 26.1 311.0 269.1 5594.1 280.0 20012.4 COAL 26.1 311.0 269.1 5594.1 280.0 20012.4 COAL 26.8 68404.4 1354.5 928.7 2533.4 2533.4 MACH, DRTAREW 26.8 6337.6 42753.2 8107.5 280.7 MEC, FISH PRODUCTS 131.5 33707.9 92.4 4476.2 280.7 MEC, FISH PRODUCTS 128.3 3707.9 92.4 4476.2 280.7 MISC, FOOD PROD 128.3 3707.9 92.4 4476.2 280.7 SAWMILL, WOOD PROD 128.3 71.3 7602.7 267.7 4476.2 PULP-PAPER & PROD 128.3 41.8 19282.8 36347.4 292.2	AGRIC. PRODUCTS 43 44 45 46 FORESTRY PRODUCTS 206.5 39096.1 1613.5 252.0 253.0 PRIMARY FISH - - - 3306.0 2546.0 253.0 - COAL -	AGRIC, PRODUCTS 41 42 43 44 45 46 FORESTRY PRODUCTS 206.5 39096.1 1613.5 252.0 PRIMARY FISH 3306.0 2546.0 253.0 COAL NONMETAL, QUARRIES	AGRIC, PRODUCTS 41 42 43 44 45 46 FORESTRY PRODUCTS 206.5 39096.1 1613.5 252.0 FORESTRY PRODUCTS 3306.0 2546.0 253.0 PRIMARY FISH PRIMARY FRUIT NONMETAL, QUARRIES NONMETAL, QUARRIES .	AGRIC, PRODUCTS 43 44 45 46 FORESTRY PRODUCTS 206.5 39096.1 1613.5 252.0 FORESTRY PRODUCTS 206.5 39096.1 1613.5 252.0 COAL COAL NONMETAL, OUARRIES </td <td>AGRIC, PRODUCTS. 41 42 43 44 45 46 PRIMARY FISH 206.5 39096.1 1613.5 252.0 253.0 FORLSTRY PRODUCTS. 31.0 269.1 5594.1 280.0 253.0 COAL. 31.0 269.1 5594.1 280.0 20012.4 NONMETAL, QUARRIELS. 1527.5 6840.4 435.4 92.3 1870.0 MISC, FISH PRODUCTS. 1527.5 6840.4 135.4 92.4 476.2 MISC, FOOD PROD. 113.5 3307.9 92.4 4476.2 178.3 MISC, FOOD PROD. 128.3 71.3 7662.7 2677.6 292.2 PRINTING R. PRODUPT. 19.3 42.8 970.5 16.1 116.8 16.8 PRINTING R. PRODUPT. 29.7 42.8 970.5 16.7 448.2 17.6 RAACH, & EQUIPT. 13.0 115.5 113.6 25.3 16.1 16.1 16.1 RABRIC, METAL PROD. 29.7<td>AGRIC PRODUCTS 43 44 45 46 FORESTRY PRODUCTS 206.5 39096.1 1613.5 252.0 752.0 FORLSTRY PRODUCTS -</td><td>AGRIC PRODUCTS 41 42 43 44 45 46 FORESTRY PRODUCTS 206.5 39096.1 1613.5 252.0 PRIMARY PRODUCTS COAL 269.1 3306.0 2546.0 253.0 COAL COAL NONMETAL WOOD RROD SEC, FSH PRODUCTS <</td><td>AGRIC. PRODUCTS 41 42 43 44 45 46 FORESTRY PRODUCTS 206.5 39096.1 1613.5 252.0 253.0 PRIMARY FISH - 26.5 39096.1 1613.5 252.0 COAL - - 26.9 5594.1 280.0 253.0 COAL - - - 26.9 5594.1 280.0 253.0 COAL - - - 26.9 5594.1 280.0 253.0 NONDARDARY ERUIT - - 152.7 370.0 253.4 <td>AGRIC PRODUCTS 41 42 43 44 45 46 PORESTRY PRODUCTS 206.5 39096.1 1613.5 252.0 254.0 253.0 PRIMARY FISH 311.0 269.1 5594.1 280.0 2001.24 253.0 NONMETAL OUARNIES 311.0 269.1 5594.1 280.0 2001.24 233.3 MACHJOAIRY FRUIT 26.3 42.8 437.5 2823.4 4476.2 232.4 SEC FISH PRODUCTS 13.2 13.2 13.4 4476.2 232.4 4476.2 SAMMILL, WOOD PROD 12.8 71.3 370.2 4476.2 292.2 292.2 PRINTING 20.0 12.8 71.3 370.2 1161.8<</td><td>41 42 43 44 45 46 41 42 43 44 45 46 311.0 206.5 39096.1 1613.5 282.0 311.0 269.1 5894.1 280.0 253.0 311.0 269.1 5894.1 280.0 252.0 311.0 269.1 5894.4 1817.5 253.3 311.0 269.1 5844.4 1817.5 88.7 311.0 269.1 8197.0 2523.4 46.8 633.6 42.8 4476.2 128.3 71.3 760.2 160.2 <</td><td>AGRIC PRODUCTS 41 42 43 44 45 46 AGRIC PRODUCTS 206.5 39096.1 1613.5 252.0 253.0 PRIMARY FISH 200.1 3306.0 246.0 253.0 253.0 PRIMARY FISH 200.1 3306.0 258.0 253.2 253.0 NONMETAL, OUNTRIES 200.1 3306.0 232.1 330.0 232.1 SEC FISH PRODUCTS 200.1 25.7 68404.4 1134.5 80.2 232.2 MISC FOOD PROD. 128.3 131.5 160.0 92.4 448.8 248.3 MISC FOOD PROD. 128.3 71.3 760.7 26.7 448.8 29.2 MISC FOOD PROD. 128.3 71.3 760.7 26.7 448.8 29.2 MISC FOOD PROD. 128.3 71.3 760.7 26.7 448.8 29.2 PULP-PARE & PROD. 128.3 71.3 76.2 16.1 16.8 29.2 RANGHACHAR & PROD. 13.0</td><td> ACREC PRODUCTS</td><td> ACRIC PRODUCTS</td><td> ACREC PRODUCTS Control Contr</td><td> ACREC PRODUCTS 206.5 300.64 1613.5 252.0 1.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0</td><td> ACREC PRODUCTS</td><td> FORESTRY PRODUCTS</td><td> AGRIC PRODUCTS</td><td> A</td><td> A</td><td> ACRIC_PRODUCTS</td><td> ACREC_RODUCTS</td><td> CONTINUED CONT</td></td></td>	AGRIC, PRODUCTS. 41 42 43 44 45 46 PRIMARY FISH 206.5 39096.1 1613.5 252.0 253.0 FORLSTRY PRODUCTS. 31.0 269.1 5594.1 280.0 253.0 COAL. 31.0 269.1 5594.1 280.0 20012.4 NONMETAL, QUARRIELS. 1527.5 6840.4 435.4 92.3 1870.0 MISC, FISH PRODUCTS. 1527.5 6840.4 135.4 92.4 476.2 MISC, FOOD PROD. 113.5 3307.9 92.4 4476.2 178.3 MISC, FOOD PROD. 128.3 71.3 7662.7 2677.6 292.2 PRINTING R. PRODUPT. 19.3 42.8 970.5 16.1 116.8 16.8 PRINTING R. PRODUPT. 29.7 42.8 970.5 16.7 448.2 17.6 RAACH, & EQUIPT. 13.0 115.5 113.6 25.3 16.1 16.1 16.1 RABRIC, METAL PROD. 29.7 <td>AGRIC PRODUCTS 43 44 45 46 FORESTRY PRODUCTS 206.5 39096.1 1613.5 252.0 752.0 FORLSTRY PRODUCTS -</td> <td>AGRIC PRODUCTS 41 42 43 44 45 46 FORESTRY PRODUCTS 206.5 39096.1 1613.5 252.0 PRIMARY PRODUCTS COAL 269.1 3306.0 2546.0 253.0 COAL COAL NONMETAL WOOD RROD SEC, FSH PRODUCTS <</td> <td>AGRIC. 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PRODUCTS 41 42 43 44 45 46 FORESTRY PRODUCTS 206.5 39096.1 1613.5 252.0 253.0 PRIMARY FISH - 26.5 39096.1 1613.5 252.0 COAL - - 26.9 5594.1 280.0 253.0 COAL - - - 26.9 5594.1 280.0 253.0 COAL - - - 26.9 5594.1 280.0 253.0 NONDARDARY ERUIT - - 152.7 370.0 253.4 <td>AGRIC PRODUCTS 41 42 43 44 45 46 PORESTRY PRODUCTS 206.5 39096.1 1613.5 252.0 254.0 253.0 PRIMARY FISH 311.0 269.1 5594.1 280.0 2001.24 253.0 NONMETAL OUARNIES 311.0 269.1 5594.1 280.0 2001.24 233.3 MACHJOAIRY FRUIT 26.3 42.8 437.5 2823.4 4476.2 232.4 SEC FISH PRODUCTS 13.2 13.2 13.4 4476.2 232.4 4476.2 SAMMILL, WOOD PROD 12.8 71.3 370.2 4476.2 292.2 292.2 PRINTING 20.0 12.8 71.3 370.2 1161.8<</td> <td>41 42 43 44 45 46 41 42 43 44 45 46 311.0 206.5 39096.1 1613.5 282.0 311.0 269.1 5894.1 280.0 253.0 311.0 269.1 5894.1 280.0 252.0 311.0 269.1 5894.4 1817.5 253.3 311.0 269.1 5844.4 1817.5 88.7 311.0 269.1 8197.0 2523.4 46.8 633.6 42.8 4476.2 128.3 71.3 760.2 160.2 <</td> <td>AGRIC PRODUCTS 41 42 43 44 45 46 AGRIC PRODUCTS 206.5 39096.1 1613.5 252.0 253.0 PRIMARY FISH 200.1 3306.0 246.0 253.0 253.0 PRIMARY FISH 200.1 3306.0 258.0 253.2 253.0 NONMETAL, OUNTRIES 200.1 3306.0 232.1 330.0 232.1 SEC FISH PRODUCTS 200.1 25.7 68404.4 1134.5 80.2 232.2 MISC FOOD PROD. 128.3 131.5 160.0 92.4 448.8 248.3 MISC FOOD PROD. 128.3 71.3 760.7 26.7 448.8 29.2 MISC FOOD PROD. 128.3 71.3 760.7 26.7 448.8 29.2 MISC FOOD PROD. 128.3 71.3 760.7 26.7 448.8 29.2 PULP-PARE & PROD. 128.3 71.3 76.2 16.1 16.8 29.2 RANGHACHAR & PROD. 13.0</td> <td> ACREC PRODUCTS</td> <td> ACRIC PRODUCTS</td> <td> ACREC PRODUCTS Control Contr</td> <td> ACREC PRODUCTS 206.5 300.64 1613.5 252.0 1.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0</td> <td> ACREC PRODUCTS</td> <td> FORESTRY PRODUCTS</td> <td> AGRIC PRODUCTS</td> <td> A</td> <td> A</td> <td> ACRIC_PRODUCTS</td> <td> ACREC_RODUCTS</td> <td> CONTINUED CONT</td>	AGRIC PRODUCTS 41 42 43 44 45 46 PORESTRY PRODUCTS 206.5 39096.1 1613.5 252.0 254.0 253.0 PRIMARY FISH 311.0 269.1 5594.1 280.0 2001.24 253.0 NONMETAL OUARNIES 311.0 269.1 5594.1 280.0 2001.24 233.3 MACHJOAIRY FRUIT 26.3 42.8 437.5 2823.4 4476.2 232.4 SEC FISH PRODUCTS 13.2 13.2 13.4 4476.2 232.4 4476.2 SAMMILL, WOOD PROD 12.8 71.3 370.2 4476.2 292.2 292.2 PRINTING 20.0 12.8 71.3 370.2 1161.8<	41 42 43 44 45 46 41 42 43 44 45 46 311.0 206.5 39096.1 1613.5 282.0 311.0 269.1 5894.1 280.0 253.0 311.0 269.1 5894.1 280.0 252.0 311.0 269.1 5894.4 1817.5 253.3 311.0 269.1 5844.4 1817.5 88.7 311.0 269.1 8197.0 2523.4 46.8 633.6 42.8 4476.2 128.3 71.3 760.2 160.2 <	AGRIC PRODUCTS 41 42 43 44 45 46 AGRIC PRODUCTS 206.5 39096.1 1613.5 252.0 253.0 PRIMARY FISH 200.1 3306.0 246.0 253.0 253.0 PRIMARY FISH 200.1 3306.0 258.0 253.2 253.0 NONMETAL, OUNTRIES 200.1 3306.0 232.1 330.0 232.1 SEC FISH PRODUCTS 200.1 25.7 68404.4 1134.5 80.2 232.2 MISC FOOD PROD. 128.3 131.5 160.0 92.4 448.8 248.3 MISC FOOD PROD. 128.3 71.3 760.7 26.7 448.8 29.2 MISC FOOD PROD. 128.3 71.3 760.7 26.7 448.8 29.2 MISC FOOD PROD. 128.3 71.3 760.7 26.7 448.8 29.2 PULP-PARE & PROD. 128.3 71.3 76.2 16.1 16.8 29.2 RANGHACHAR & PROD. 13.0	ACREC PRODUCTS	ACRIC PRODUCTS	ACREC PRODUCTS Control Contr	ACREC PRODUCTS 206.5 300.64 1613.5 252.0 1.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0	ACREC PRODUCTS	FORESTRY PRODUCTS	AGRIC PRODUCTS	A	A	ACRIC_PRODUCTS	ACREC_RODUCTS	CONTINUED CONT

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	TOTAL	52	60014.2 3612.2.7 44539.3.3 44539.4.5 60401.8 1812.2.4 60401.8 1812.2.4 1812.2.8 1812	1769222.0	157981.4 -24392.8 524812.7 615234.9 104204.3 166575.9 92718.8 790302.4 5063.0 53615.0 52950.1 302818.0 1337131.0 886015.3 1117321.0 189236.0
	IOIAL INIER.DEM.	51	15768.6 15127.2 13297.8 33115.2 13297.8 3229.0 2889.0 23480.0 23480.0 23480.0 23480.0 23480.0 23480.0 23480.0 23480.0 23480.0 23480.0 23480.0 23481.0 23481.0 23481.0 23481.0 23582.0 1027.8 35081.0 1027.8 35081.0 1027.8 35081.0 1027.8 35081.0 1027.8 35081.0 1027.8 13080.1 13080.	510716.0	55864.7 -15528.0 137540.2 137540.2 104204.3 104204.3 14224.0 33744.0 33744.0 33744.0 953347.6 682752.1 815807.2 144236.0
			AGRIC, PRODUCTS FORESTRY PRODUCTS. PRIMARY FISH COAL MONMETAL QUARRIES MEAT, DAIRY, FRUIT SEC, FISH PRODUCTS MISC, FOOD PROD. SAWMILL, WOOD PROD. SAWMILL, WOOD PROD. PULP-PAPER & PROD. RANNER, EQUIPT. TRANSP. TRAVEL, ENT RADIO, TEL, TELG. ELECTRICAL EG. NONMET MINERAL PR. PETROLEUM PROD. TRANSP. TRAVEL, ENT RADIO, TEL, TELG. E. POWER, WATER, GAS. DISTRIBUTION. FILL OPPRATION. FILL DWELLING SERVICES. BUSINESS SERVICES.	TOTAL INTERINPUT	TAXES SUBSIDIES NON-COMP. IMPOR IS. WAGES & SALARIES IT VINCORP. BL S.IVC. PROFIT.RENT.INT. DI-PRECIATION & HOSP. HOUSEHOLD INCOME. EDUCATION & HOSP. PROVINCIAL REVENUE. HOB RAL. REVENUE. HOB RAL. REVENUE. HOB RAL. REVENUE. HOB RAL. REVENUE. FACTOR INCOMES. GROSS DOM. PROD. EMPLOYMENT.
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MODEL 1 NEW BRUNSWICK, 1960 - OUTPUT AND SUPPLY FLOWS J.M (\$7000)

		AGRIC. PRODUCIS	FORESTRY	PRIMARY FISH	METALS	COAL	NONMETALS. QUARRIES	MEAT.DAIRY & FRUIT	SEC. FISH PRODUCTS	MISC. FOOD PRODUCTS	S DRINKS. DIST, BREW
		ques.	2	m	4	NO.	9	٢	œ	6	10
-	AGRICULTURE	51104.0	6050.0	1	}	;	1	}	1	1	:
2	FORESTRY	}	37659.4		1	1	1 1	1 1	: :	; ;	1
8	PRIMARY FISHING	;	!	9357.6	5447	}	1 1		1	;	;
4	METAL MINING	{	;	1 1	7. 1	8663.4	1	;	1	1	;
5	COAL MINING	0 5	: ;	1	}	1	2822.2	1	}	-	1
0 1	MEAT DAIRY FRUIT	1	}	1	1	1	1	31540.4	. 00100	:	1
- 00	SECONDARY FISHING	1	}	!	}	1	1	239.6	33130.2	5 89969	; ;
6	MISC. FOODS, NES	1	-	;	;	1	1 1	1 1	1 1		9449.6
10	S.DRINK, DIST, BREW	}	\$ E	}	: :	2 1	:	}	1	1	}
= :	SAWMITS WOOD DE	; ;	5.9	: :	1	1	;	-	1	;	:
7 -	DI II P. PAPER & PR	1	1	:	1	1	1	-	1	}	;
4	PRINTING	:	;	;	1	1	1	1	!	}	1 1
15	METAL FABRIC	;	1	1	1	1 1			: :	;	1
91	MACH. & EQUIPT.	:	1	1	1	5 B	1	3	1	1	1
17	TRANSP. EQUIPI.	:	: :	! !	1	1	1	;	;	}	1
× =	NONMET MINED AT DR	: :	: :	1	1	1	1	!	1	1	1
20	PETROI FIIM REF	1	;	;	1	1	1	1	1	}	1
21	FERT, PAINT, SOAP.	1 1	1	;	*	1	:	1	}	:	: :
22	MISC. MANUF	1	1	}	1	1	1	3 1	} }		;
23	CONSTRUCTION	1	2 2	:	1	1 1	1	: :	1	1	1
24	TRANSP, TRAVEL, ENT	:	:	†	: :	: :	;	1	;	;	1
57	KADIO, IEL, IELEG	1 1	: :	:	;	;	;	1	-	;	1
27	DISTRIBUTION	;	1	1	;	1	1	;	}	!	!
28	AUTO OPERATION	}	;	-	}	1	!	1	1	:	!
29	FINANCE, R.E.	1	1	;	:	*	!		1 1	1)	1 8
30	DWELLING SERVICES	;	1	;	: :	! !	: :	: :	1	;	1
3-	HOTELS, REST	1 1	: :	: :	: :	1	:	1	1	1	1
33	BUSINESS SERVICES	;	;	1	;	1	-	-	-	1	}
34	TOTAL OUTPUT	51104.0	43715.3	9357.6	544.7	8663.4	2822.2	31780.0	33130.2	69668.5	9449.6
35	IMPORTS - NS	2080.0	!	3036.0	1	2287.0	312.0	1566.0	1009.0	1523.	823.0
36	IMPORTS - NB	: 0	100	0207	:	1	: :	11320	1 1	1 1	! !
37	IMPORTS - PEL	0.595	48.0	0.680	: :		1		591.0		
39	IMPORTS - RES	5226.2	9115.5	1333.5	;	9.0	211.8	24330.4	784.7	8049.9	3531.2
40	TOTAL IMPORTS	7901.2	9163.3	2027.3	:	0.1077			7.000		,
41	TOTAL SUPPLY	59005.2	52878.8	14410.1	544.7	10950.9	3134.0	58808.4		7	13803.8
43	TOTAL INTER.DEM	26129.5	32672.0 7829.8 12377.0	14410.1	544.7	5454.0 2510.0 2987.0	1687.5 186.6 1259.9	3570.8 45797.4 9440.3	819.6 5058.6 29636.7	6827.8 25500.6 46913.0	313.2 12756.6 734.0
7 4	TOTAL DEMAND	20005	73787	14410.1	544.7	10950.9	3134.0	58808.5	35514.8	79241.4	13803.8
C 4											

MODEL 1 NEW BRUNSWICK, 1960 - OUTPUT AND SUPPLY FLOWS J,M (\$'000)

AGRICULTURE											
RESTRY IMARY FIST ITAL MINING AL MINING NMETALY CONDARY; SC. FOODS, SC. FOODS, XTILES,CLO		=======================================	12	13	14	15	16	17	18	19	20
RESTRY IMARY FISH AL MINING NMETAL, Q CONDARY SC. FOODS, ACT, DESC. CONDARY SC. FOODS, ACTILES, CLO		1	;	!	1	1	8 8	1	;	1	i
IMARY FISH AL MININ NMETAL,Q NMETAL,Q CONDARY, SC. FOODS, XTILES,CLO WMILLS,W(6 6	:	0 0	1	•	8 6	1 2	8	;	•
AL MINING NMETAL, O NMETAL, O CONDARY; SC. FOODS, XTILES, CLO WMILLS, W	JING	*	:	1	1	1	1	1	1	•	es-ap
AL MINING NATURALY CONDARY, SC. FOODS, ORINK, DIST, XTILES, CLO	5	:	•	1	:	:	;	;	2 0	-	0.00
SCONDARY SCONDARY SCONDARY SCONDARY SCONDARY STILES, CLOWMILLS, WMILLS, W	TADDIEC	:	1	-	:	•	1	!	*	*	f
SC. FOODS, SC. FOODS, XTILES, CLO	DAKKIES	1	0 4	1	:	:	!	1	1	1	
SC. FOODS, NRINK, DIST, XTILES, CLO	KUII	1 1	-	:	:	!	8 8		1	;	-
NEINK, DIST, XTILES, CLO	-IDHING	1	d 1	8 5	:	•	•	1		;	1
XTILES, CLO WMILLS, W(NES	1	8 6	1	:	1	1	1	40-00	;	-
WMILLS, WC	THING	7 6007	1	1	8 6	1	9 %	:	6 6	1 0	!
VY IVIILLS, VV	20 TO	0.7000	220013	:	!	5 0	the set	Į.	1	•	*
DITTO DADED & DD	, pp			1130423	:	1	8	8 0	*	1	1
CZIFZI	PRINTING			7.646711	7956 2	9 8	:	1	1	1	1
METAL FARRIC		1 1	: :		10000	20173	9 9	1	1	***	1
ACH. & FOL	MACH & FOUNDT				1 :	7.1160	25640	*	:	1	1
ANSP. FOU	TPT.	;	1		-		0.100.7	210801	2	1	1
FCTRICAL	0	1					9 9 9 8	7.00012	2 5 5 5 5	:	1
NONMET MINERAL PR	ERAL PR	:	;	1590	0 0		0.000		C.11+0	4007 2	1
PETROLEUM REF	?EF	1	;		;	1	1	1 1		6.7000	24456 1
FERT.PAINT.SOAP	JAP	1	;	;	:	1			1	!	24450.1
SC. MANUF	- 1	;	;	5 0	9 9	2 2		1	3		
CONSTRUCTION	Z 2	-	:	;	8	1	1	1	1	1	
TRANSP, TRAVEL, ENT	EL,ENT	1	2 0		:	:	:	6 6	1	8 0	
RADIO, TEL, TELEG	LEG	2 2	:	;		1	1	1	:		!
E.POWER, WATER, GAS	ER,GAS	•	8 5	3 1	1	1	1	1	I I	1	1
DISTRIBUTION		;	•	1	1	4 0	1	;	1	1	4
JIO OPEKA	AUTO OPEKATION	:	1	0 0	9 4	5 0	1	:	:	**	1
NANCE, K.E.	FINANCE, K.E.		1 1	1	1	1	1	1	8 8	:	
DWELLING SERVICES	DWELLING SERVICES	*	0 0	:	:	:	1	1 1	2 0	1	1
DEON'AL CE	DOLEES, REST.	1	;	1	1	10	1	1	1	-	1
SINESS SER	RISINESS SERVICES	: 1	1		1	1	1	4 4	8	:	8 8
THE COUNTY	1000		!	•	*	1	* I	!	1	1	}
TOTAL OUTPUT	"PL'T	9.2889	33901.3	113102.2	7856.3	8917.2	3120.6	21080.2	6477.5	6887.3	34456.1
PORTS - NS		1016.0	1040.0	1023.0	1	874.0	192.0	1060.0	7.0	2940	155320
PORTS - NE		1	1	-	8 8		-	1	2 1	2 1	0.7000
PORTS - PE	IMPORTS - PEI	662.0	480.0	•	1	1 1	:	;	;	0 0	
PORTS - N	TD.	1		26.0	:	1	:	1	1	48.0	0 0
PORIS - RE	IMPORIS - RES	23521.2	10138.9	5558.2	103.7	6741.6	72928.0	1469.4	3880.0	6998.2	6673.8
ואוו קעוו		7.66167	11000.9	7.7000	103.7	0.0107	73120.0	4.6767	388/.0	/340.2	22205.8
TOTAL SUPPLY	PLY	32086.8	45560.2	119709.4	7960.0	16532.8	76240.6	23609.6	10364.5	14227.5	56661.9
TOTAL INTER.DEM	DEM	2123.0	20645.2	13173.2	3046.3	12480.4	25260.0	55110	32862	120746	167777
TOTAL DOM.F	DOM.FIN.DEM	25782.2	8497.8	1755.1	4463.7	14.4	50828.0	3605.8	4492.8	166.4	19754.8
TAL EXPOR	TOTAL EXPORTS	4181.6	16417.2	104781.3	450.0	4038.0	152.9	14492.8	2585.5	1986.5	20185.0
TOTAL DEMAND	1AND.	32086.8	15560.1	119709.6	0.0967	16532.8	76240.8	23609.6	10364.5	14227.5	56661.9

MODEL 1 NEW BRUNSWICK, 1960 - OUTPUT AND SUPPLY FLOWS J.M (\$'000)

		FERT, PAINT & SOAP PR.	MISC. MFG. PROD.	CON- STRUCTION	TRANSP, TRAVEL, ENT	RADIO,TEL, TELEG.	ELEC.POWER WATER,GAS	DISTRIBUTN	AUTO	FINANCE, R.E.	DWELLING SERVICES
		21	22	23	24	25	26	27	28	29	30
		d d)		1	:	1	6 8	1	1	4105.0
- L	AGRICULTURE	1 }	: :	8 1	1 1	;	3	!	1	}	:
40	FORESTRI PRIMARY FISHING	8 8	1	1	;	1	0 0	1	*	1	B 4
m de	AFTAL MINING	;	8	1 0	1	•	•	1	1	1	: 1
	DAI MINING	1	1	:	1 1	1	B B	:	1 :	1	
16	NONMETAL, OUARRIES	6	;	1	1			1 1	9 1	1 1	: :
·	1EAT, DAIRY, FRUIT	:	:	-	1	1	1	6 I	1 6	; ;	
S	SECONDARY FISHING	1	B S	1	8 9		0 1	1 1	1		
2	MISC. FOODS, NES	1	:	;	1	* !	0 6	: :	•	3 0	0
S	DRINK, DIST, BREW	:	1	1	: 1	1 1	1	;	!	:	1
parent (TEXTILES, CLOTHING	8 8	: 1		: :		0 0	1		5 8	*
	AWMILLS, WOOD PK.	1 1	1 1	1 1	1	}	1	1	*	1	•
and the	PULP-PAPER & PR	1	1 1		;	1	1	!	;	:	1
_	KIN LING		:	;	*	•	1	1	:	-	1
-	MACH & FOURT			;	1	1	* *	1	!	!	}
	RANSP. EOUIPT.	1	1 1	!	1	9 5	1	9 0	:	!	7 0
4 [I]	LECTRICAL EQ.		:	!	0 0	1	1	:	!	•	: :
6	NONMET.MINERAL PR	:	8 1	:	1	6 0	*		1 1	1 :	: !
0	PETROLEUM REF		}	:	1 1	: 1		:	1	1	;
T.	FERT, PAINT, SOAP	4914.5	22720	: :			1	1	;	:	;
> (MISC. MANUF.) t	7.67.66	156308.0		1	:	;	4 8	1	;
) [TRANSP.TRAVEL.ENT	;	:	9 0	114491.0		!	!	1	1	*
00	RADIO, TEL, TELEG	:	8	1	1	20235.7	3,420,6 9		5 1	0 0	
αì	E.POWER, WATER, GAS	4 6	1	:	1	!	0.076.42	1199137	; ;	1 1	
0.	DISTRIBUTION	1	:	; ;	1 8	1 0	: :	110000	51294.2	8 8	1
d'i	O IO OPERATION	1 (;	1	1	!	1	46247.0	;
	DWELLING SERVICES	1	1	1	!	9 8	!	1	:	6	64659.7
7	OTELS, REST.	9 0	:	1	1	•		!	5 0	-	1
0 7	PERSONAL SERVICES	1	!	1	1 1	0 0	: :	: :	: :	9 8 8	! !
22	USINESS SERVICES	6 9	8 0	1					0	1	E 4 / HO /
	TOTAL OUTPUT	4914.5	3373.9	156308.0	114491.0	20235.7	24396.8	119913.2	51294.2	46247.0	68764.7
L.	APORTS - NS	1592.0	41.0	1	1	1	782.0	1	3 8	1	:
-	APORTS - NB	;	:	8 8	1	1	8 2	9 0	1	!	1
and the	IMPORTS - PEL	1 0	1	1	1	1	1	1 1	9 6	1 0	
-	APORTS - NFLD	237.0	! <	1	}	*	6 1	9 4			: ;
-	IMPORTS - RES	5233.1	42.0	8 8	3 8	1	782.0	1	*	1	F 6
	TOTAL SUBBLY	101476	3415.9	156308.0	114491.0	20235.7	25178.8	119913.2	51294.2	46247.0	68764.7
	IOIAL SOFFLI	0.74.01						6			
	TOTAL INTER.DEM	6578.6 1430.4 2138.6	633.5 401.6 2380.8	23952.5 132355.5	61769.5 28523.8 24197.8	11070.1 7336.9 1828.7	10430.0 13703.0 1045.8	32772.9 85539.3 1600.9	39251.7	41456.9	68764.7
9	CINA MARCH TA FOR	101476	24150	1563079	1114491.1	20235.7	25178.8	119913.0	51294.2	46247.0	68764.7
	IOIAL DEMAND	0./+101	2413:0	100001							

MODEL 1 NEW BRUNSWICK, 1960 - OUTPUT AND SUPPLY FLOWS J.M (\$'000)

TOTAL	34	61259.0 37659.4 9357.6	8663.4	2822.2	33369.8 69668.5	9449.6	33907.2	7856.3	8917.2	21080.2	7034.1	34456.1	3373.9	156308.0	114491.0 20235.7	24396.8	51294.2	46247.0	16363.3	1183950	36089.0	: 1	3600.0	193789.5	1418328.0	415742.7 681262.0 321311.3	1418315.0
BUSINESS SERVICES	33	1 1 1	1 1	: :	: :	; ;	1	1 1	1 6	!		1	1 1	1	1 1	1 1	1	5 8 8 8	1 1	15998.9 1 5998.9	ì	9 9	1 7	1 }	15998.9	14079.8	15998.9
PERSONAL SERVICES	32	1 1 1	1 1	: :	1 1	: :	: :	1		!	: 1	1	; ;	;	1 1	1 1	1	1 1	38729.4	38729.4	į	\$ 5	1 :	2 5	38729.4	2165.6	38729.4
HOTELS, REST.	31	1 1 1	: :	1 1	1 1	: :	: :		1 1	1	: 1	;		1	8 5 8 6	1 1	1	: :	16363.3	16363.3	!		1 1		16363.3	1353.0	16363.3
		AGRICULTUREPORESTRYPRIMARY FISHING	COAL MINING	MEAT, DAIRY, FRUIT	SECONDARY FISHING MISC. FOODS,NES	S.DRINK, DIST, BREW TEXTILES, CLOTHING	SAWMILLS, WOOD PR.	PRINTING	MACH. & EQUIPT.	TRANSP. EQUIPT.	NONMET.MINERAL PR	PETROLEUM REF	MISC. MANUF.	CONSTRUCTION	RADIO, TEL, TELEG	E.POWER, WATER, GAS DISTRIBL TION	AUTO OPERATION	DWELLING SERVICES		BUSINESS SERVICES	IMPORTS - NS	IMPORTS - NB	IMPORTS - PEL	IMPORTS - RES TOTAL IMPORTS	TOTAL SUPPLY	TOTAL INTER.DEM	TOTAL DEMAND

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	AGRI- CULTURE	FORESTRY	PRIMARY FISHING	METAL	COAL	NONMETALS, QUARRIES	MEAT.DAIRY & FRUIT	SECONDARY	MISC. FOODS,NES	S.DRINKS, DIST.BREW
	-	7	m	4	ĸ	9	7	œ	6	10
		1000		;	6 6	1	14236.2	146.6	1149.4	!
AGRIC PRODUCTS	80.0	4.0	412.6	t i	0.09	1	0.7	1.8	0.4	1 1
PRIMARY FISH	1	1	1	}	1	1 :	8 1 5 1	14410.1	1 1	
METALS	1 1	: :	: :	6:1	13.0	2.2	12.7	3.6	7.6	1 0
NONMETAL OUARRIES		1	8 8	1	1	4 5	15.	72.4	28.4	6.0
MEAT DAIRY, FRUIT	1	1	1 1	1	•	3 3	7.8617	0.7	1156	
SEC. FISH PRODUCTS	8.3	!	595.9	:	1 1		261.0	1 1	2169.4	432.2
MISC. FOOD PROD.	3850.2	1	1 1	1 1	: :	1	13.7	1	145.8	153.7
S.DRINK, DIST, BREW	3049	6.0	442.2		!	1	61.6	28.0	380.1	
AWMITI WOOD PROD	753.4	85.3	1	15.0	9.4	1.2	47.4	9.09	25040	46.3
PULP-PAPER & PROD	0.16	}	1	1	1	292.8	822.6	929.2	181.5	35.2
PRINTING	10	1 7	1.45.1	29.6	3436	9.2	26.4	1616.5	1	94.3
ABRIC. METAL PROD	142.8	2761	25.7	308.0	1310.7	131.7	362.4	296.0	894.7	302.8
TRANSP FOURT	;	1	72.1	1	1	8 1	-	!	\$ 0	
ELECTRICAL EO.	35.6	42.0	;	-	25.5	1	1 5	:	1 0	
NONMET.MINERAL PR.	1141.6	† t	1 - 700	; 0	7 011	1 8 7	1851	1505	628.7	8 18
ETROLEUM PROD	1109.1	316.7	306.1	132.8	150	1.01	1001		13.0	73.1
FERT, PAINT, SOAP	0.0422	: :	19.3	6 8		1	9.5	66.5		
ONSTRICTION	1793.0	958.0	179.9	1	40.0	19.0	178.5	154.7		40.3
TRANSP, TRAVEL, ENT	1516.1	427.2	355.2	154.7	214.7	29.8	2146.0	347 7		1150
RADIO, TEL, TELEG.	200.0	378.9	t :	5.2.3	7.01.0	49.0	225.0	330.5		2.16
K,	514.0	1554	233.5	61.2	105.6	29.6	1039.5	293.9	2271.4	133.5
DISTRIBUTION	2989.8	79.5		5.0	131.0	20.0	23.0	1 0 1	336.1	27.0
INANCE, R.E.	1200.7	8.019	173.1	1	229.5	0.68	798.9	6,500	1.206	101.2
WELLING SERVICES	1	1 1	1 1	; ;	! !	: :	- }	;		i
DEDCONAL SERVICES	: :	19.5	1	1	1		24.2	43.5	61.8	10.1
BUSINESS SERVICES	330.0	233.7	1	4 0	8.0	26.4	9.761	347.8	1228	264.
TOTAL INTERINPUT	21335.5	3796.1	2984.5	768.8	2838.9	801.7	23057.6	22720.9	20890.4	2874.5
TAXES	2974.0	3555.8	74.5	# 8	274.3	27.3	251.8	527.5	547.4	137.0
STIBSIDIES	-170.7	;	-233.6	8 6	1	1	1			
NON-COMP. IMPORTS	903.2	153.0	84.0	115.2	396.6	9.16	585.3	1337.5	~)	893.9
WAGES & SALARIES	5510.0	21838.1	3254.5	1310./	3429.1	1034.7	1000.0	500.0		
UNINCORP.BUS.INC	7.5958.0	2580.3	1310.8	-1850.0	868.5	763.9	1846.1	1882.4		
DEPRECIATION	4769.0	2797.3	596.4	200.0	856.0	83.0	514.3	1083.3	1812.9	360.3
HOUSEHOLD INCOME	31448.0	25847.8	2.1,666	1310.7	411/.0	1.10/1	>	0.7.631		1
PROVINCIAL REVENUE	100.0	3436.2	-147.0	1	151.5	18.7	111.8	418.0	157.2	28.0
MUNICIPAL REVENUE	2849.0	109.5	1680	1 1	1819	118.2		513.8		
FEDERAL REVENCE	903.2	1053.0	84.0	-1734.8	396.6	9.16	_	1337.5	(-1	1943
TOTAL PRIMARY	39923.5	33863.3	6373.1	-224.1	5824.5	2020.5	8482.8	10648.9	48778.1	6575.
FACTOR INCOMES	31448.0	27357.2	5851.8	-539.3	4297.6	1818.6	7131.4	7700.6	16224.3	5183.
GROSS DOM. PROD.	39020.3	33710.3	6289.1	-339.3	871.0	1928.9	1336.0	2659.0		
MENT	0:00		0 L	1	4 6770	10111	21540 2	333760 8	,	9449
TOTAL OUTPUT	61259.0	37659.4	9357.6	244.7	8003.4	7.7707	51540.5	33307.0		

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	TEXTILES, CLOTHING	SAWMILLS, WOOD PR	PULP-PAPER & PROD	PRINTING	METAL FABRIC,	MACH. & EQUIPT.	TRANSP. EQUIPT.	ELECTRICAL EQUIPT.	NONMET. MINERAL PR	PETROLEUM REF.
	Ξ	12	13	14	15	16	17	81	19	20
AGRIC, PRODUCTS	346.6	10984.4	20897.2	1 1 1	11:	1 1 1	10.4	0.2	63.9	1 1
METALS	17.6	30.5	4122 2	: : - 0		7 1 1	02	1 1 5	1 1 5 6	1 1
NONMETAL, QUARRIES	2:	2:00	39.8	1:1	11.0	5.5	C.6/	14.3	312.2	1 1
SEC. FISH PRODUCTS.	1 1	32.8	63.2	0.3	1 1) 2) 1	: 1	1 1	: :	: :
S.DRINK, DIST, BREW		1 1	8.88	; ;	1 :	1 1	: :	1 1	16.2	1 :
TEXTILES, CLOTHING	248.8	79.1	151.0	8.0	0.2	101	10.4	14.7		: 1
PULP-PAPER & PROD	59.2	14.1	4837.3	657.8	51.5	0.4	0.07	14.2	390.1	! !
FABRIC METAL PROD. MACH. & EQUIPT.	0.6	83.8	588.2	20.6	703.3	10.2	754.1	18.0	2.0	1 1 2 5 6
TRANSP. EQUIPT.	1 1			: :	146.8		934.4	0.21	1.7.5.1	
NONMET MINERAL PR.	1 6		456.3	: : :	2.4	1 1	4.7	0.961	374.3	1 1
FERT, PAINT, SOAP	24.0	391.9	1219.7	23.5	76.6	12.5	55.2 257.0	38.2	128.0	81.4
CONSTRUCTION	30.0	100.0	492.0	18.0	47.0	4.0	183.0	39.0	0.3	574.0
RADIO, TEL, TELEG.	372.7	1468.0	5798.3	174.3	1493.6	125.2	1056.7	528.4	482.3	3070.4
E.POWER, WATER, GAS DISTRIBUTION	92.9	231.3 689.6	2754.6 4238.5	66.1	60.5	27.5	150.8	232.3	306.9	278.7
AUTO OPERATION FINANCERE DWELLING SEDVICES	125.2	87.5	25.9	6.7	6.2	12.5	8.8	3.4	14.3	0.1
HOTELS, REST.	1 1	1 1	1 1	1 1	: :	1 1	: :	: :	1 1	: 1
PERSONAL SERVICES	77.4	23.9	33.2	3.3.8	5.3	0.5	3.1	5.2	54.1	11.4
TOTAL INTERINPUT	1754.8	21619.0	58782.6	1778.4	3963.8	549.8	8289.5	2437.5	3202.4	8567.2
TAXES	74.8	116.7	804.6	39.1	80.4	41.9	71.7	50.2	73.5	59.3
NON-COMP. IMPORTS	1985.1	92.0	6739.3	647.2	1457.8	369.0	3577.3	1062.9	68.3	18346.4
PROFIT, RENTINT	752.2	1500.0 2387.5 508.9	13930.2	1000.0 586.2 160.3	486.5	402.4	-1073.3	1282.6	740.0	3532.9
HOUSEHOLD INCOME	2332.8	10423.6	25382.6	5121.4	3020.9	1481.1	8982.2	2277.4	2303.1	3313.9
PROVINCIAL REVENUE	1.8 66.5 140.0 2390.9	18.3 95.2 500.2 742.0	7.2 790.1 2852.0 15170.1	10.1 19.9 119.0 647.2	4.5 72.7 75.2 1457.8	6.5 33.4 65.9 369.0	2.0 65.1 4.6 2945.0	33.2 6.1 218.2 1911.4	11.0 59.6 86.9 432.9	57.4 611.5 19046.4
TOTAL PRIMARY	5132.8	12288.2	54160.6	6077.9	4953.4	2014.2	12790.7	4596.6	3843.9	25888.9
FACTOR INCOMES	2872.1 3147.7 924.0	11570.6	36658.1 47421.3 4507.0	5231.3 5430.7 1067.0	3092.9 3495.6 652.0	1545.0 1645.2 289.0	8349.9 9213.4 2514.0	3333.2 3533.7 603.0	2751.7 3775.6 585.0	4623.5 7542.5 256.0
TOTAL OLTPLT	6887.6	33907.1	112943.1	7856.3	8917.2	2564.0	21080.2	7034.1	7046.3	34456.1
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		FERT, PAINT & SOAP	MISC. MANUF.	CON- STRUCTION	TRAVEL, ENT	RADIO,TEL, TELEG.	ELEC.POWER WATER,GAS	DISTRIBUTN	AUTO	FINANCE, R.E.	DWELLING SERVICES	
		21	22	23	24	25	26	27	28	29	30	
	AGRIC, PRODUCTS	1	;	42.4	1	;	}	2.0	:	1	1	
	FORESTRY PRODUCTS	1 1	1 1	156.4	1 1	: :	1 1	: :	1 ;	1 :	1 1	
	METALS	1 1	! *	;	: 00	1	7 5 2 3	1 1	1 1	}	1 1	
5	COAL	0.3	0.1	1195.0	30.0	1 2	0/3.7	1	1 1	1	1	
0 1	MEAT, DAIRY, FRUIT		308.6		1	}	1	1 4	1 1	1 1	1 1	
00 0	SEC. FISH PRODUCTS		1 1		: :	1 }	3 i a	C: C	1	1	1	
01	DRINK, DIST, BREW	1	1	1	1 5	;	1	0 27.0	1	1 1	; ;	
	TEXTILES, CLOTHING	: :	63.1	10312.7	4.2	1 1	70.07	110.0	!!		1	
	PULP-PAPER & PROD	250.3	76.0	496.3	3.5		17.4	259.9	1 [1 1	: 1	
	PRINTING FABRIC METAL PROD		33.6	7665.8	43.8	40.0	76.2	12.6	1000	1- 0 1- 81	1	
	MACH. & EQUIPT.	172.5	142.3	2205.6	31.7	1725.0	368.5	850.1	0.002	0.101	: !	
	LECTRICAL EQ.	1 1	1	2960.7	31.0	1	!	6.4	1 1	1 1	[[
	NONMET.MINERAL PR.		1.0	2238.5	7834.6	1 :	717.4	612.0	1 :		1	
	ERT, PAINT, SOAP	658.9	55.5	1937.2	61.4	1	30.0	4.3	62.0	: !	; ;	
	MISC. MFG. PROD.		22.0	119.0	7170.0	1021.0	930.0	635.0	393.0	295.0	7800.0	
	TRANSP, TRAVEL, ENT	_	188.2	11779.0	6105.0	338.0	1362.9	8729.1	200.0	510.5	1 1	
	RADIO, I EL, I ELEG. E.POWER, WATER, GAS	32.6	51.3	320.3	758.0	288.0	1191.0	1067.0	80.0	44.0	; ;	
	DISTRIBUTION	2.3	3.5	100.0	7818.3	1.717	200.0				10	
	FINANCE, R.E.	113.4	67.5	9127.5	5612.2	184.0	203.5	7409.6	3902.3	948.0	0.17/	
	DWELLING SERVICES HOTELS, REST.	1	1 1	1 6	1353.0	; 0	000	3364		-	* !	
32 P	PERSONAL SERVICES	38.6	27.9	52.2 4347.7	890.8	249.0	269.0	3431.6	180.0	260.0	1	
	TOTAL INTER.INPUT	1563.9	1314.3	74603.4	46281.1	4753.0	7117.1	27983.6	8041.3	2853.8	8571.0	
	TAXES	36.2	0.09	625.5	7097.9	295.0	560.5	2397.3	3337.0	0.6769	9414.1	
	E	2132 2	407.0	16500.5	3044.0	235.8	142.3	1352.8				
	WAGES & SALARIES	544.2	1290.2	49462.8	51984.3	8192.5	5476.8	54834.8	11825.9	_	: 1	
	UNINCORP.BUS.INC	515.4	205.5	4867.8	-5766.4	3791.4		10767.7		13833.0		
	DEPRECIATION INCOME	122.6	96.9	3247.9	16019.6 54606.9	2968.0	8163.3	78187.6	1680.0		19246.6	
	EDUCATION & HOSP			3080		7		1890				
	ROVINCIAL REVENUE	32.5	46.9	300.0	524.6	160.0	532.0	1483.6	150.0	2377.0	9414.1	
46 F	FEDERAL REVENUE	83.6 2566.6	47.7	1051.0	-7097.7	583.0	-167.9	4785.5	2		0.0009	
	TOTAL PRIMARY	3350.6	2059.6	81704.4	68209.8	15482.7	17279.7	91929.6	43252.9	43393.2	26088.7	
49 F	GROSS DOM. PROD	1059.6	1495.7	65204.0	49259.3 65165.8 14000.0	11983.9 15246.9 2150.0	12896.5 17137.4 1300.0	83202.5 90576.8 16486.0	21382.9 26399.9 5582.0	26918.5 38247.5 3000.0	25246.6 56088.7 125.0	
	TOTAL OUTPUT	4914.5	3373.9	156307.8	114490.8	20235.7		119913.1		46247.0	64659.7	

MODEL 1 NEW BRUNSWICK, 1960 - INPUTS AND DEMAND FLOWS B, D, E (\$'000)

	HOTELS, REST.	PERSONAL	BUSINESS	PERSONAL CONS.	CAPITAL FORMATION	INVENTORY	FED. GOVT. DEFENCE	FED. GOVT. CIVIL	PROVINCIAL GOVT.	MUNICIPAL GOVT.
	31	32	33	34	35	36	37	38	39	40
AGRIC. PRODUCTS	1 1	; ;	: :	24771.9	604.0	73.0	63.7	7.17	65.7	10.6 24.0
PRIMARY FISH	;	1	;	:	7 7 7 7 7	† · ·	\$ 8		}	1
COAL	109.5	0 0	! !	700.5	7.44.7	1029.5	35.6	: :	34.9	5.6
NONMETAL, QUARRIES	: :	: :	: :	41954.5	1 1	93.8	427.5	89.9	83.0 53.3	44.4 44.4
SEC. FISH PRODUCTS	: :	: :	: :	23972.9	: :	1177.5	64.7	20.3	13.0	21.5
S.DRINK, DIST, BREW	10 40	77	100	12722.8	:	33.8	24.5	1047	42.7	
SAWMILL, WOOD PROD	148.0	256.0	0.2	5652.0	1900.0	-104.8	273.7	87.9	239.7	30.0
PULP-PAPER & PROD	80.1	55.0	0.1971	2445.0	: : ;	1224.4	: : :	17.5	833.1	80.8
FABRIC. METAL PROD	t t	557.0	15.0	: : : :	36.4 50741.6	-148.5	53.2	3.0	55.4	::
TRANSP. EQUIPT.	1 1	2 8 0	26.0	3470.0	1869.5	-63.1	1460.6 909.2	207.7	50.0 46.0	4.5
NONMET.MINERAL PR. PETROLEUM PROD.	427.4	9.0	12.0	16866.5	: :	345.2	78.0	343.1	664.4	633.4
FERT, PAINT, SOAP	64.4	337.9	25.5	354.7	1 1	693.5	18.6	31.0	104.3	67.3
CONSTRUCTION TO ANEI ENT	129.0	249.0	10807	210450	75106.5	2 6	3602.0	7020.0	32428.0	3678.0
RADIO, TEL, TELEG.	423.7	661.0	2140.5	6700.0	2 0		123.1	100.3	208.9	55.0
E.PUWEK, WAIEK, GAS	249.5	192.0	525.5	83287.9	: :	t 8 6 8	167.5	145.6	340.9	143.3
AUTO OPERATION FINANCE, R.E.	139.5	2653.5	579.2	37480.0	! !	: :	: :	277.9	374.2	242.3
DWELLING SERVICES	: :	8 I	:	68764.7	; ;	1 ;	1 1	* :	: :	77.2
PERSONAL SERVICES BUSINESS SERVICES	450.0	147.5	1.2	35997.4	1 1	8 8	8 b 0	34.1	250.9	58.8
TOTAL INTERINPLT	0.0099	6615.6	6443.8	448456.6	130802.7	11197.3	8378.0	10827.1	40839.2	8174.1
TAXES	915.1	1797.0	1355.0	84849.8	8 9	8 9	40.0	23.1	6.68	33.6
NON-COMP. IMPORTS	389.8	1415.2	2120.2	57971.3	: :	:	233.2	699.5	3416.9	855.3
WAGES & SALARIES UNINCORP.BUS.INC.	2221.4	12428.6	3631.7	: :	1 1	! !	14000.0	0.08482	10332.0	6.100
PROFIT, RENT, INT.	1043.2	3134.0	1299.0		: :	; ;	: :	1 1	10451.0	4385.0
HOUSEHOLD INCOME	7003.4	26278.4	5013.0			:	14000.0	29490.0	16432.0	8051.9
PROVINCIAL REVENUE	344.0	286.0	250.0	34641.5	0 I	1 1			1 1	8 e 6
MUNICIPAL REVENUE FEDERAL REVENUE	246.5 889.8	2482.2	306.2	37979.3	: :		40.0	23.1	89.9	33.6
TOTAL PRIMARY	9763.3	32113.8	9555.1	142821.0		:	14273.2	30212.6	24289.8	11325.8
FACTOR INCOMES GROSS DOM. PROD.	7693.4 9373.5 2580.0	28063.6 30698.6 8000.0	5830.7 7434.9 1000.0	84849.8	1 1 1	: : :	14000.0 14040.0 3000.0	29490.0 29513.1 7000.0	20783.0 20872.9 3000.0	10436.9 10470.5 2000.0
TOTAL OF IPLT	16363.3	38729.4	15998.9	591277.6	130802.7	11197.3	22651.2	41039.7	65129.0	19499.9

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		EDUCATION	HOSPITAL	TOTAL DOM. FINAL DEM.	EXPORTS- FOREIGN	EXPORTS- CANADA	EXPORTS- N.S.	EXPORTS. N.B.	EXPORTS- P.E.I.	EXPORTS- NFLD.	TOTAL
		14	42	43	44	45	46	47	48	49	50
- 0	AGRIC, PRODUCTS	: :	468.9	26129.5 7829.8	3937.0	11088.0	223.0	1:	20.0	234.0	15502.0
1 K		1		5447	5 6	: :	1 1		1 1	: :	; ;
4 0		525.0	175.0	2510.0	1595.0	1361.0	1	1	31.0	;	2987.0
91		15.7	090 V 000	186.6	82.0	847.3	0.8009	\$ 9 \$ 0	317.0	1084.0	9440.3
~ oc		2.00	85.7	5058.6	17829.6	10728.1	367.0	;	135.0	577.0	29636.7
00		;	229.5	25500.6	250.0	30316.0	8568.0	: :	4306.0	3473.0	46913.0
01		1 1	120.9	25782.2	11.6	2726.0	1393.0	1 1	5.0	46.0	4181.6
- 2		238.0	157.4	8497.8	9005.1	5005.1	771.0	;	507.0	1129.0	16417.2
13		12.7	1 9 5 6	1755.1	72964.0	25446.4	3935.0	1 1	350.0	2023.0	104/81.3
4 4	PRINTING FARRIC METAL PROD	818.4	12.6	14.403.7	2150.1	676.9	0.606		168.0	134.0	4038.0
91		20.1	41.0	50828.0	: •	64.9	87.0	1	0.1.0	: 00	152.9
17		18.0	: 40	3605.8	2026.1	12405.7	30.0	: :	176.0	166.0	2585.5
00 0		23	0.47 0.40 0.40 0.40 0.40 0.40 0.40 0.40	166.4	C:147	23.5	1538.0	:	411.0	14.0	1986.5
20		676.2	226.0	19754.8	421.5	4733.5	7776.0	1	1653.0	5601.0	20185.0
21		156.1	359.6	1430.4	3010	346.6	0.17/		0.00-	135.0	2380.8
27		7274.0	3247.0	132355.5	0.170	21	2 1	:		1	
24		877.4	503.1	28523.8	2380.4	21817.4	!	9 9	6 6	!	24197.8
25		79.1	70.5	7336.9	1038 8	1828./	: 09	: :	1 1	2 4	1045.8
26	E.POWER, WALEK	619.2	835.0	85539.3	750.9	850.0	2 1	*	•	:	1600.9
28		229.0	42.4	39251.7	;	1	!	8 9	đ i	*	1 2
29		737.4	401.8	4790.1	8 1	1 1			1 1	; ;	; ;
31	DWELLING SERVICES	0.69	;	15010.3		1	:	:	:	:	8
32	PERSONAL SERVIC	54.0	168.6	36563.8	* *	:	!	:	;	!	:
33	BUSINESS SERVICES	730.7	17.0	1919.1	;	E P	8		8		
34	TOTAL INTERINPUT	13545.1	9044.7	681264.5	125274.3	137061.5	34318.9	1	9940.0	14718.0	321312.6
35	TAXES	26.2	10.9	85073.3	:		\$ 6	8 6	f 3	1	222 5
36	SUBSIDIES MADORIC	7 444 7	3 0965	685813	; ;	-523.3	: :	* * *	1 1	! !	-522.5
3 6	WAGES & SALARIES	22426.0	16419.6	98719.4	1	:	1	1	6 0	6 c	}
39	UNINCORP.BUS.INC.	1 6	1000	1000	:	1	1	1	1	!	!
40	PROFIT, RENT, INT.	2943.0	1937.3	19/16.3	: :	: :	: :	; ;	: :	å (1 1
47	HOUSEHOLD INCOME	23676.0	17169.6	108819.4	;	:	:	;	1		9
43	EDUCATION & HOSP	}	1	5073.0	1	:	1		:	8 1	8 1
44	PROVINCIAL REVENUE	: :	: ;	34641.5	: :	: :	: :	: :		1	t 4 0 0
46	FEDERAL REVENUE	26.2	10.9	38203.0	;	-323.5	:	1	1	1	-323.5
47	IMPORT LEAKAGE	3137.7	5147.8	78197.5	1	1		:	1	1	:
48	TOTAL PRIMARY	26839.9	22328.3	272090.4	:	-323.5	:	6 0	*		-323.5
49	FACTOR INCOMES	25369.0	18356.9	118435.8	:	4	à	8 0	1	•	
50	GROSS DOM. PROD.	25395.2	18367.8	203509.1	: :	-323.5	: :	: :	1 1	1 1	-323.5
10		0.0000		200000		0 000701	343100		00400	147180	1300001
25	TOTAL OUTPUT	40385.0	31373.0	955555.1	1252/4.3	130/38.0	34318.9	•	3340.0	14/10.0	320767.1

TOTAL	52	59005.4 52878.7 14410.1 544.7 10950.9	\$3134.0 \$8808.5 \$5514.8 79241.3 13808.8 \$2086.8 45560.1	16532.8 16532.8 76240.6 23609.6 10364.5 14227.5 56661.9	30147.0 30153015.9 116490.9 20235.7 25178.8 119913.0 51294.2 46247.0	68764.7 16363.3 38729.4 15998.9 1418327.0	129724.6 -85324 187418.3 425045.3 83927.1 132328.9 90050.0 574113.0 5073.0	54927.0 30392.0 46308.0 239099.1 1039962.1	641301.2 852543.4 128651.0 2458284.0
TOTAL INTER.DEM.	51	17373.9 32672.0 14410.1 5454.0	1687.5 3570.8 819.6 6827.8 313.2 2123.0 20645.2 13173.2	3046.3 12480.4 25260.0 5511.0 3286.2 12074.6 16722.2	23953.5 23953.5 61769.5 11070.1 12430.0 32772.9 12642.5	1353.0 2165.6 14079.8 415754.6	44651.3 -8208.9 118837.1 326325.8 83927.1 112612.6 90050.0	20285.5 23236.0 8428.5 160901.6 768195.2	522865.4 649357.8 104651.0 1183949.0
2		AGRIC PRODUCTS FORESTRY PRODUCTS PRIMARY FISH METALS COAL	NONMETAL, QUARRIES MEAT, DAIRY, FRUIT MISC. FOOD PROD. S.DRINK, DIST, BREW TEXTILES, CLOTHING SAWMILL, WOOD PROD.	PRINTING FABRIC. METAL PROD MACH. & EQUIPT	MISC. MEG. PROD. MISC. MEG. PROD. TRANSP, TRAVEL, ENT RADIO, TEL, TELEG. E.POWER, WATER, GAS BISTRIBUTION AUTO OPERATION	DWELLING SERVICES	SUBSIDIES	PROVINCIAL REVENUE MUNICIPAL REVENUE FEDERAL REVENUE IMPORT LEAKAGE	FACTOR INCOMES
					2222222 222222 222222 222222	30 32 33 34	888884444 8868884444	44444 600 000 000 000 000 000 000 000 000 000	50 51 52

MODEL 1 ATLANTIC PROV., 1960 - OUTPUT AND SUPPLY FLOWS J.M (\$'000)

						QUARRIES	& FRUIT	PRODUCIS	PRODUCIS	May 1010
	-	2	m	4	W)	9	٢	00	6	10
1 AGRICITIEE	1338297	11230.4	1	:	;		1	:	1	:
2 FORESTRY		86928.6	1	1	1	1	1	1	:	:
3 PRIMARY FISHING	:	:	62627.2	:	1	1	1	3 3	4 0	1
		:	:	80187.4	1	!	1	*	*	8
		!	1	:	51996.9	8 0	1	1	1 4	4
		:	;	:	4 4	20960.6	1	:	9 9	*
7 MEAT DAIRY, FRUIT		•	1	8 8	4 7	:	85385.4		1	;
		:	:	;	1	1	418.5	122286.2	1 6	1
		£ £	1	;	;	:	1	1	108022.2	
		1	1	:	;	1	*	1	***	31271.7
	1	:	!	:	;	}	1	:	:	•
		18.5	:	1	•	+	1	1		0
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2 HOTELS, REST		1	1	:	1	:	: :	: :	: ;	
		1	: :	: :	: :	: :	: :	:	;	,
4 BUSINESS SERVICES			3 0	•	1					
35 TOTAL OUTPUT	. 133829.7	98177.4	62627.2	80187.4	51996.9	20960.6	85803.9	122286.2	108022.2	31271.7
36 TOTAL IMPORTS	22346.2	10038.5	1333.1	1251.8	167.6	633.7	89881.7	4430.7	30976.9	11179.1
37 TOTAL SUPPLY	156175.9	108215.9	63960.3	81439.2	52164.5	21594.3	175685.6	126716.9	138999.1	42450.8
8 TOTAL INTER.DEM		69918.5	63960.3	8252.5	18935.4	7526.7	9457.8	3380.2	20512.5	647.6
39 TOTAL DOM.FIN.DEM	29021.5	17050.0	: :	71925.0	23248.4	13864.0	6194.8	106421.9	35134.6	554.0
41 TOTAL DEMAND	156175.9	108216.1	63960.3	81439.3	52164.5	21594.3	175685.5	126716.7	138998.9	42451.4
	10011001	AUGMAUM	7,777	200000						

MODEL 1 ATLANTIC PROV., 1960 - OUTPUT AND SUPPLY FLOWS J.M (\$'000)

11 12 13 14 15 16	11 12 13 14 15 16 17 17 18 18 16 17 18 18 18 19 19 19 19 19			TEXTILES, CLOTHING	SAWMILLS, WOOD PR	PULP-PAPER & PROD.	PRINTING	IRON-STEEL PRODUCTS	FABRIC. METAL PROD	MACH. & EQUIPT.	TRANSP. EQUIPT.	ELECTRICAL EQUIPT.	NONMET. MINERAL PR
ACRECUTURE ACR	MACHEMINGS Machemia Machemi			==	12	13	41	15	16	17	18	19	20
PRIMARY FISHING METAL MINING ME	PRIMARY FEBING ONALIZAÇIO PRIMES METAL MINNO ONALIZAÇIO PRIMES NOAMETAL MINNO ONALIZAÇIO PRIMES ONALIZAÇIO PRIMES ONALIZAÇIO PRIMES ONALIZAÇIO PRIMES ONALIZAÇIO PRIMES ONALIZAÇIO ONALIZAÇIO PRIMES ONALIZAÇIO PRIMES ONALIZAÇIO PRIMES ONALIZAÇIO ONALIZAÇIO ONALIZAÇIO ONALIZAÇIO ONALIZAÇIO ONALIZAÇIO ONALIZAÇIO ONALIZAÇIO ONALIZA	_	AGBICHTIRE		1	1	;	;	1	8 8	!	!	:
METAL MINNG COMONATE TO ALL MINNG CONDARY FISHING CONDARY FISH	NEW AND CALLEY NOT CALL MINING METAL METAL MINING METAL MINING METAL META	- (FORESTRY	1	1	:		8 0	:	;	1	# 0	:
COAL MINING	COLD MINIOGEMENTS 13.8 <td>1 (~</td> <td>PRIMARY FISHING</td> <td>1</td> <td>1</td> <td>1 4</td> <td>1</td> <td>:</td> <td>:</td> <td>9</td> <td>6 6</td> <td>1</td> <td>1</td>	1 (~	PRIMARY FISHING	1	1	1 4	1	:	:	9	6 6	1	1
March Marc	MACH ENDRY FIGHT Mach ENDRY	4	METAL MINING	:	1	* *	;	;	1	;	1	}	1
NONDARFALLOUNGRIES	MEATDANK RES. MEATDANK PICHUL. MEATDANK PICHUL. 26878.5 69515.7 2070894 1125	5	COAL MINING.	1	1	:	1	1	:	1	:	:	-
MACTORIAN FROM TRANSMENT 13.8 1	MECONDARY, FEHNICE MISC COORDARY FEHNICE MISC COORDARY FEHNICE MISC COORDARY FEHNICE MISC COORDARY FEHNICE MISC MANUEL SCHOOL MISC COORDARY MISC MANUEL MISC COORDARY	9	NONMETAL, OUARRIES	4 1	1	;	ŧ	!	1	2 0	1	!	:
SECONDRY FISHING	SECONDAR HENING 13.8	-	MEAT DAIRY FRUIT	!		:	!	!	•	1	8 5	* *	:
MISC. PODBS.NES. TEXTILES CLOTHING 26878.5 TEXTILES CLOTHING 26878.5 TEXTILES CLOTHING 26878.5 TEXTILES CLOTHING PRINTING PRINT	MISC_FOODNERS 138	- 00	SECONDARY FISHING	;	:	!	1		:	1	1	!	7 0
TEXTILES CLOTHING TEXTILES CLO	TEXTILE COTHING 26878.7 138	0	MISC. FOODS, NES	:	:	8	1	!	!	8 8	4	0 0	;
SAWMILS, WOOD PR. 26878.5 207089.4 12.5 —	SAWMILS WOOD PR 26878.5 2070894 12.5 25750.3 26750.3	0	S DRINK DIST BREW	1	1	13.8	*	1	;	1	:	1	;
SÁMMILIS,WOOD PR. 695757 2070894 125 <td>PULP PARE & PR PRINTING MACHA FARRICAL EQ. PRINTING MACHA FABRICAL /td> <td>=</td> <td>TEXTILES CLOTHING</td> <td>26878.5</td> <td>•</td> <td>1</td> <td>*</td> <td>1</td> <td>:</td> <td>1</td> <td>8 6</td> <td>4 4</td> <td>1</td>	PULP PARE & PR PRINTING MACHA FARRICAL EQ. PRINTING MACHA FABRICAL	=	TEXTILES CLOTHING	26878.5	•	1	*	1	:	1	8 6	4 4	1
PUID-PAPER & PR	PULIFACE REPRESED 1.5 1.	2		1	69575.7	1	9 1	:	:	:	1	1	;
PRINTING CONSTRETE MILLS	PRINTING CANADA PRINTING CAN	2		1	1	207089.4	12.5			1	* **	5 0	* *
RONSTREE MILLS	ROYSTELL MILLS	14	PRINTING	1	;	1	23823.8	!	:	:	}	*	;
WETAL FABRIC 26972,9 6144 MACH & EQUIPT. 26972,9 6144 TRANSP. EQUIPT. 167.8 8559,9 TRANSP. EQUIPT. 167.8 425.0 PERTRACAL EQ. 167.8 425.0 PERTRACAL ENT. 167.8 425.0 PERTRACAL ENT. 167.8 425.0 PERTRACAL ENT. 167.8 167.8 PERTRACAL ENT. 167.8 167.8 PERTRACAL ENT. 167.8 167.8 RADIO, TELTELEG. 167.8 167.8 <td>MACHAL FABRIC 1 26972,9 8559,9 1 MACHAL FABRIC 159.0 159.0 170.8 1535.5 TRANSP EQUIPT 159.0 159.0 170.8 1535.5 TRANSP EQUIPT 159.0 159.0 170.8 170.8 PERTRANSPALPRIA 159.0 159.0 150.0 150.0 150.0 MISC, MANUE 150.0 150.0 150.0 150.0 150.0 150.0 MISC, MANUE 150.0 150.0 150.0 150.0 150.0 150.0 150.0 CONSTRUCTION 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 CONSTRUCTION 150.0</td> <td>4</td> <td>IRON-STEEL MILLS</td> <td>9.9</td> <td>1</td> <td>1</td> <td>:</td> <td>65750.3</td> <td>1</td> <td>!</td> <td>!</td> <td>1</td> <td>:</td>	MACHAL FABRIC 1 26972,9 8559,9 1 MACHAL FABRIC 159.0 159.0 170.8 1535.5 TRANSP EQUIPT 159.0 159.0 170.8 1535.5 TRANSP EQUIPT 159.0 159.0 170.8 170.8 PERTRANSPALPRIA 159.0 159.0 150.0 150.0 150.0 MISC, MANUE 150.0 150.0 150.0 150.0 150.0 150.0 MISC, MANUE 150.0 150.0 150.0 150.0 150.0 150.0 150.0 CONSTRUCTION 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 CONSTRUCTION 150.0	4	IRON-STEEL MILLS	9.9	1	1	:	65750.3	1	!	!	1	:
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PERSONAL SERVICES	PERSONAL SERVICES PERSONAL SERVICES PERSONAL SERVICES PERSONAL SERVICES BUSINESS SERVICES 26878.5 207262.3 23836.3 65750.3 27230.7 10155.9 51705.8 9535.5 TOTAL IMPORTS 81512.4 30780.8 11442.6 935.3 14066.9 26925.1 202574.1 10757.9 21463.2 TOTAL IMPORTS 8497.7 62984.1 30542.3 9776.6 24771.6 79817.1 54155.8 212729.9 62463.7 30998.7 TOTAL INTER.DEM 8497.7 62984.1 30542.3 9776.6 24145.4 45705.3 62761.0 18621.6 10256.1 TOTAL EXPORTS 82209.4 17057.3 184862.7 200.0 55630.2 6254.4 898.7 22032.9 3121.7 TOTAL EXPORTS 10141 DEVIAND 108390.6 100356.4 24771.6 79817.3 54155.8 212730.6 62463.6 30998.7	32		!	-	6 1	1	8	B 0	:	8 0	*	
BUSINESS SERVICES FOTAL OUTPUT 26878.5 69575.7 207262.3 23836.3 65750.3 27230.7 10155.9 TOTAL IMPORTS 81512.4 30780.8 11442.6 935.3 14066.9 26925.1 202574.1 TOTAL IMPORTS 108390.9 100356.5 218704.9 24771.6 79817.1 54155.8 212729.9 TOTAL INTER.DEM 8497.7 62884.1 30542.3 9776.6 24145.4 45705.3 62761.0 TOTAL EXPORTS 14683.6 17057.3 184862.7 200.0 55630.2 6254.4 898.7 TOTAL EXPORTS 108390.6 100356.4 218705.1 24771.6 79817.3 54155.8 212730.6	BUSINESS SERVICES 26878.5 207262.3 23836.3 65750.3 27230.7 10155.9 51705.8 953.5 TOTAL OUTPUT 26878.5 207262.3 23836.3 65750.3 27230.7 10155.9 51705.8 953.5 TOTAL IMPORTS 81512.4 30780.8 11442.6 935.3 14066.9 26925.1 202574.1 10757.9 21463.2 TOTAL IMPORTS 108390.9 100356.5 218704.9 24771.6 79817.1 54155.8 212729.9 62463.7 30998.7 TOTAL INTER.DEM 8497.7 62984.1 30542.3 9776.6 24145.4 45705.3 62761.0 18621.6 10256.1 TOTAL EXPORTS 14683.6 17057.3 184862.7 200.0 55630.2 6254.4 898.7 22032.9 3121.7 TOTAL EXPORTS 108390.6 100356.4 218705.1 24771.6 79817.3 54155.8 212730.6 62463.6 30998.7	33		1	9 9	1	4 0	0	1	* *	1		:
TOTAL OUTPUT 26878.5 69575.7 207262.3 23836.3 65750.3 27230.7 10155.9 TOTAL IMPORTS 81512.4 30780.8 11442.6 935.3 14066.9 26925.1 202574.1 TOTAL SUPPLY 108390.9 100356.5 218704.9 24771.6 79817.1 54155.8 212729.9 TOTAL INTER.DEM 8497.7 62984.1 30542.3 9776.6 24145.4 45705.3 62761.0 TOTAL EXPORTS 14683.6 17057.3 184862.7 200.0 55630.2 6254.4 898.7 TOTAL EXPORTS 108390.6 100356.4 218705.1 24771.6 79817.3 54155.8 212730.6	TOTAL OUTPUT 26878.5 69575.7 207262.3 23836.3 65750.3 27230.7 10155.9 51705.8 953.5 TOTAL IMPORTS 81512.4 30780.8 11442.6 935.3 14066.9 26925.1 202574.1 10757.9 21463.2 TOTAL IMPORTS 108390.9 100356.5 218704.9 24771.6 79817.1 54155.8 212729.9 62463.7 30998.7 TOTAL INTER.DEM 8497.7 62984.1 30542.3 9776.6 24145.4 45705.3 62761.0 18621.6 10256.1 TOTAL EXPORTS 14683.6 17057.3 184862.7 200.0 55630.2 6254.4 898.7 22032.9 3121.7 TOTAL EXPORTS 108390.6 100356.4 218705.1 24771.6 79817.3 54155.8 212730.6 62463.6 30998.7	34		1		1	1	!	•	đ	Pul	t 0	a a
TOTAL IMPORTS 81512.4 30780.8 11442.6 935.3 14066.9 26925.1 202574.1 TOTAL SUPPLY 108390.9 100356.5 218704.9 24771.6 79817.1 54155.8 212729.9 TOTAL INTER.DEM 8497.7 62984.1 30542.3 9776.6 24145.4 45705.3 62761.0 TOTAL EXPORTS 14683.6 17057.3 18486.2.7 200.0 55630.2 6254.4 898.7 16010 DEMINIAND 108380.6 100356.4 218705.1 24771.6 79817.3 54155.8 212730.6	TOTAL IMPORTS 11442.6 935.3 14066.9 26925.1 202574.1 10757.9 21463.2 TOTAL SUPPLY 108390.9 100356.5 218704.9 24771.6 79817.1 54155.8 212729.9 62463.7 30998.7 TOTAL INTER.DEM 8497.7 62984.1 30542.3 9776.6 24145.4 45705.3 62761.0 18621.6 10256.1 TOTAL EXPORTS 14683.6 17057.3 184862.7 2000.0 55630.2 6254.4 898.7 22032.9 TOTAL EXPORTS 108390.6 100356.4 218705.1 24771.6 79817.3 54155.8 212730.6 62463.6 30998.7	35		26878.5	69575.7	207262.3	23836.3	65750.3	27230.7	10155.9	51705.8	9535.5	17402.2
TOTAL SUPPLY 108390.9 100356.5 218704.9 24771.6 79817.1 54155.8 212729.9 TOTAL INTER.DEM 8497.7 62984.1 30542.3 9776.6 24145.4 45705.3 62761.0 TOTAL EXPORTS 3300.1 14795.0 41.8 2196.1 149070.9 TOTAL EXPORTS 108390.6 100356.4 218705.1 24771.6 79817.3 54155.8 212730.6	TOTAL SUPPLY SUPPLY 108390.9 100356.5 218704.9 24771.6 79817.1 54155.8 212729.9 62463.7 30998.7 TOTAL INTER.DEM 8497.7 62984.1 30542.3 9776.6 24145.4 45705.3 62761.0 18621.6 10256.1 TOTAL DOM.FIN.DEM 82209.4 20315.1 3300.1 14795.0 55630.2 6254.4 898.7 22032.9 3121.7 TOTAL EXPORTS 108890.6 100856.4 218705.1 24771.6 79817.3 54155.8 212730.6 62463.6 30998.7	36			30780.8	11442.6	935.3	14066.9	26925.1	202574.1	10757.9	21463.2	25783.8
TOTAL INTER.DEM	TOTAL INTER.DEM	37			100356.5	218704.9	24771.6	79817.1	54155.8	212729.9	62463.7	30998.7	43186.0
TOTAL INTER.DEM	TOTAL INTER.DEM	5		1000000	2000000								
1011 DEVIALD 108190.6 100356.4 218705.1 24771.6 79817.3 54155.8 212730.6	TOTAL DEMIND 108390.6 100356.4 218705.1 24771.6 79817.3 54155.8 212730.6 62463.6 30998.7	300		8497.7 85209.4 14683.6	62984.1 20315.1 17057.3		9776.6 14795.0 200.0			62761.0 149070.9 898.7	18621.6 21809.2 22032.9	10256.1 17620.9 3121.7	41779.3 403.3 1003.4
	TOTAL DIVINAL			1007000 4	100356 4		7.17716	74917	5.1155 8	2127306	624636	30998 7	431860
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MODEL 1 ATLANTIC PROV., 1960 - OUTPUT AND SUPPLY FLOWS J.M (\$'000)

		PETROLEUM PRODUCTS	FERT.PAINT & SOAP PR.	MISC. MFG. PROD.	CON- STRUCTION	TRANSP, TRAVEL.ENT	RADIO, TEL. TELEG.	ELEC.POWER WATER,GAS	DISTRIBUTN	AUTO	FINANCE, R.E.
		21	22	23	24	25	26	27	28	29	30
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2		;	;	1	1	;	1	;	1 1	1	;
κ.		!	1	;	1	1	1	;	1	1	!
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5			1	1	1	8 0	1	1	3 1	4	:
10				1	1	1 0	1	\$ 0	1	1 2	2
- 0	MEAL, DAIRY, FRUIT		4 0	-	# 0	1	***************************************	!	:	1	1
× c			!	!	!	!	!	4 5	!	:	6
2	S DRINK DIST BREW	E 6	03	4 0	E 6	0 1	1 1	;	1 1	! !	: :
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12		1	1	1	1	1	8 0	•	1	1	;
13		1	-	1		1	1	1	1	!	1
4	PRINTING	1	\$ 6 6 6	0	9 9	6 9	6 0	0 0	1	1	1
5		!	750.5	1 0	1	1	1	:	;	0.00	1
9 :		8 0	1	28.2	1	1	1	:	1	}	1
	MACH. & EQUIPI.	!	1	1	4 4	1 0	8 0	4 4	1		1
× 9		!	1	4	3 3	1	1	1	;	;	;
6	NONIMET MINIED AT DD	:	1	!	1	:	*	1	!	!	1
207		007211	!	1	2 0	:	1	1	1	1	:
17		17131.1	2 1 1 1 1 1 5	!	1	:	1	:	:	;	1
23				6 5 6 5 6	F 8		1 1	1	1	!	;
24		# #	;	: 1	565401.6	1	:				: 1
25			1	;	1	359430.4	1	!	1	!	;
26		-	*	!	***	!	53099.5	1	1	1	1
27		1	!	;	:	;	!	71685.3	1	1 2	1
200		1	1	:	1	•		!	383944.4	1	;
29		4 1	:	1	2 2	:	1	:	§ .	148293.2	E (
30	FINANCE, R.E.	8.0		1	*	}	•	•	•	:	144819.7
37		3 1	1 1	: :	1	:	1	1	}	8 8	1
33		1	:	1	1	1	1			1 3	: :
34		1	•	1	9	8 8	:	1	!	;	1
35	TOTAL OUTPUT	99731.1	15174.3	5624.1	565401.6	359430.4	53099.5	71685.3	383944.4	148293.2	144819.7
36	TOTAL IMPORTS	24725.4	12216.9	196.6	:	4059.8	;	8 8	1	*	1
37	TOTAL SUPPLY	124456.4	27391.2	5820.7	565401.6	363490.2	53099.5	71685.3	383944.4	148293.2	144819.7
0											
38	TOTAL INTER DEM. TOTAL DOM.FIN.DEM	48732.1 61283.2 14441.6	21195.4 2834.4 3361.4	2156.6 1318.3 2345.8	78475.4 486925.6 	194193.4 111452.2 57844.1	29929.9 18996.9 4172.6	31048.5 39596.9 1039.8	86576.4 293114.7 4253.0	33310.7	130306.8
41	TOTAL DEMAND	124456.8	27391.2	5820.7	565400.9	363489.7	53099.4	71685.1	383944.0	148292.9	144819.5

MODEL 1 ATLANTIC PROV., 1960 - OUTPUT AND SUPPLY FLOWS J.M (\$'000)

TOTAL	35	155526.1	86928.6	7./7979	519969	20960.6	85385.4	122704.7	21208017	26878.5	69594.2	207101.9	23823.8	276155	85500	52298.6	10092.1	17561.2	99731.1	14414.5	5654016	359430 4	53099.5	71685.3	383944.4	148293.2	144619.7	558966	107311.9	56639.2	3572435.0	639679.8	4212114.0	1278877.0	696616.1	4212010.0
BUSINESS	34	1	1	*	0 8	8	8	1	8 6	: :	;	;	}	:	1	: :	;	:	5 0	1	*		0 0	!	1	:	•		;	56639.2	56639.2		56639.2	49347.2	1	56639.1
PERSONAL SERVICES	33	6	1	1	1 1	1	8		Đ	4 1	1	;	!	8 1	:	1 1	;	1	t i	1	1	1 1		1	:	1	1	1	107311.9		107311.9	;	107311.9	7036.0	1	107311.6
HOTELS, REST.	32	8 6	î	:	1 1	! !	:	;	1	1 1	5 0	1	1 1	;		1 1	1		2 1	;	1	8		3 1	!	6 0	8 6	7 70055	0.00000	!	55896.6	ì	55896.6	4510.0	!	55896.6
DWELLING SERVICES	31	10466.0		1	1	1 :	*	1	1	; ;	4 8	1	8 0	1	1	9	1 1	4 1	;	1	-	8 2		9 10	1	8 (0000000	1,404,00	4 2	1	200894.9	3 6	200894.9	200894.9	1	200894.9
O 4.		AGRICULTURE	FORESTRY	PRIMARY FISHING	METAL MINING	COAL MINING	MEAT DAIRY FRUIT	SECONDARY FISHING	MISC. FOODS, NES	S.DKINK, DIST, BKEW	SAWMILLS WOOD PR.	PULP-PAPER & PR.	PRINTING	IRON-STEEL MILLS	METAL FABRIC	MACH. & EQUIPI	ELECTRICAL EQUIP	NONMET MINERAL PR	PETROLEUM REF	FERT, PAINT, SOAP.	MISC, MANUF.	CONSTRUCTION	DADIO TEL TELEGINI	F POWER WATER GAS	DISTRIBUTION	AUTO OPERATION	FINANCE, R.E.	DWFILING SERVICES	DEDCONAL SEDVICES	BUSINESS SERVICES	TOTAL OUTPUT	TOTAL IMPORTS	TOTAL SUPPLY	TOTAL INTLR.DEM.	TOTAL EXPORTS	TOTAL DEMAND
																											30		2.5	34	35	36	37			41

	AGRI. CULTURE	FORESTRY	PRIMARY	METAL	COAL	NONMETALS, I	MEAT,DAIRY & FRUIT	SECONDARY	MISC. FOODS,NES	S.DRINKS, DIST,BREW
	_	7	€	4	ĸ	9	7	90	6	10
	360.8	538.5	1640.3	135.1	617.1	48.8	36680.9	458.4 15.7 63960.3	1886.9	1 1 1
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	9.3		2681.3	1 1 1		: : :	61.9	59.5 126.7	166.3	2120.2
	798.8	6.1	1509.6	1 -	1 1 0 9 4	1 1 5	14.7	104.6	188.1 424.5	444.8
	94.4	204.4	0.885.0	109.1	4.804	840.4	2162.7	2899.0 2899.0 269.1	10.4 5618.2 335.5	1040.2
	587.9	39.0	949.6	391.6 307.7 1077.0	1318.3 1825.2 3980.6	4.2 27.8 431.6	1647.8	2088.0	18363	337.6
	135.6	105.1	1112.4	1 1	247.0	15.6		: 1 1		
	1630.6 3120.3 6479.3	732.5	1723.3	2.2 796.8 224.0	8.3 142.9 32.0	301.5	485.2	658.4	4.0 877.9 87.5	0.1 217.6 255.7
	4984.0 4116.0 590.0	1839.0 1025.9 930.9	166.1 1597.2 1949.2 79.1	805.0 15436.1 321.8	464.0 1351.9 161.5	419.0	35.5 311.8 5142.2 124.0	159.5 778.9 6401.0 868.0	514.6 7231.9 895.2	152.9
	1400.0 4680.3 7945.8 2873.7	34.1 401.2 499.5 1399.7	1486.6 45.0 2119.5	877.5 758.9 98.4 1919.0	2179.7 811.5 257.5 1699.0	235.1 235.1 141.0 1154.0	660.5 3179.6 47.2 1066.9	1180.5 1701.7 1.6 1.6 1.559.0	475.2 3458.8 446.0 1630.5	357.5 357.5 506.4 53.3 907.4
		 44.5 536.5	1111	654.3	108.0		57.4 489.8	250.0	124.0	58.3
9	60372.5	8903.6	19449.3	26037.4	16014.6	5103.4	62366.5	86731.6	34879.3	10238.1
	5937.0	3943.4	810.4	1646.0	1352.3	577.5	872.4	1641.1	1064.6	522.3
- 4	2241.6 14264.7 60613.2	442.0 49078.9 10685.5	706.2	4579.4	32981.1	910.4 5394.9	1199.3	3377.1	41815.8 15420.1	2876.4
· - /	12693.0	7105.0 6770.2 62128.4	4965.7 3652.8 38499.5	20837.6 5560.0 21527.1	-531.1 2675.5 32269.4	7973.4 701.0 7031.1	5142.8 1423.7 16914.8	4502.4 4502.4 2735.1 27215.8		9106.6 1616.2 12707.4
	276.0 5498.0 -432.6 2241.6	3783.0 137.2 2364.2 2842.0	14.0 218.4 87.0 706.2	1214.0 420.0 2822.9 22606.1	319.5 721.5 -1595.0 1591.4	394.7 139.0 3155.8 4435.6	350.9 502.1 1062.7 2764.7	622.4 889.9 1132.0 3377.1	282.3 707.8 2180.7 47251.4	108.9 403.4 1913.9 4306.5
	95153.9	78024.9	43177.9	54150.1	35982.3	15857.2	23018.9	35972.3	73142.7	21057.3
	74877.9 92912.2 5900.0	66869.4 77582.9 16650.0	39782.0 42471.7 13000.0	42364.7 49570.7 3961.0	32450.0 34390.9 8735.0	13668.3 14946.8 1696.0	19523.5 21819.6 4360.0	28219.0 32595.2 9895.0	27329.4 31327.0 5492.0	16042.4 18180.9 1356.0
_	155526.3	86928.4	62627.1	80187.4	51996.9	20960.6	85385.3	122703.8	108021.9	31295.4

MODEL 1 ATLANTIC PROV., 1960 - INPUTS AND DEMAND FLOWS B, D, E (\$'000)

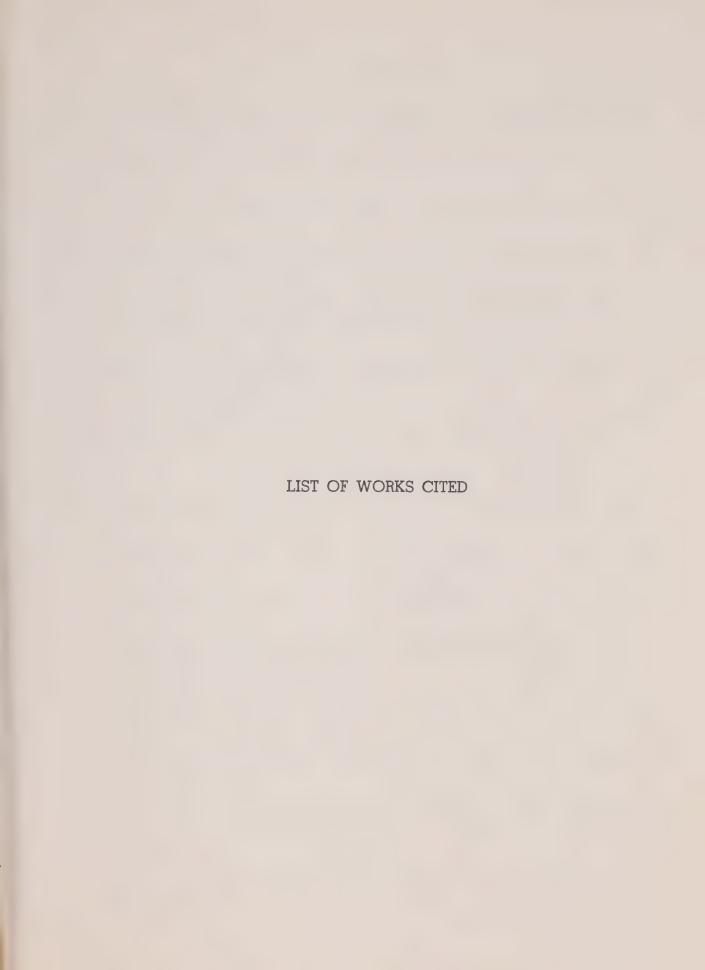
						N W	MACH	LEAINOF.	ELECTRICAL	- TOTAL CI
	TEXTILES. CLOTHING	SAWMILLS, WOOD PR	PULP-PAPER & PROD	PRINTING	MILLS MILLS	FABRIC.	& EQUIPT.	EQUIPT.	EQUIPT.	MINERAL PR
	*		51	71	7	7	17	81	19	20
	=	71	51	±	2	2		}		
AGRIC, PRODUCTS	372.6	21842.1	44638.7	: :	1 1	0.2	0.1	33.1	0.2	64.2
	1	;	1	1	2 6 6 6 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	; ;	: !	; ;	: :	; ;
METALS	71.0	55.3	4186.4	4.8	8648.8	98.4	9.3	225.7	14.3	377.9
NONMETAL QUARRIES	100	1	150.3	: :	802.4	C.C.2 	1 1	1.0	: :	2.7.6.21
MEAT DAIRY, FRUIT	50.9	43.9	130.0	5.5	1	1	1	1	š i	16.5
MISC, FOOD PROD.	1	1	101.7	1	: :	: :	: :	1 1	: :	7.01
	3627.1	435.8	352.2	8.9	:	0.2	1 2	12.0	10	:
SAWMILL, WOOD PROD	47.3	11538.5	2027.4	0.8	1 000 0	63.0	20.6	822.1	8.71	1022.3
PULP-PAPER & PROD	244.5	49.3	71.8	818.7	C:007	0.2	0.3	4		
	2 1		: 7	1 04	11.9	3690.0	745.0	3045.3	7.78	9.111
FABRIC, METAL PROD	36.3	1290.7	1821.4	281.5	2759.6	1066.9	428.8	6457.9	1079.3	991.4
TRANSP. EQUIPT.		1	1	1	1	552.5	1	2617.7	1 197	; ;
	:	:	2240	1 1	1337 2	4.4	: :	7.9		1313.3
NONMET.MINERAL PR.	80.6	352.7	3724.6	61.6	1174.8	143.3	29.3	1.99.7	39.3	538.9
	213.6	1154.5	105.4	1 6		148.5	138.7	704.7	9.01	0.0
MISC. MFG. PROD.	1.000	1800	11640	101		59.3	5.1	646.1	49.0	165.8
CONSTRUCTION TO A NOT TRAVELENT	1499.4	2879.0	10150.7	576.8	7	2859.5	525.0	2932.2	645.9	1231.5
RADIO, TEL, TELEG.	242.0	192.8	876.1	546.8		192.9	00 00 00 00 00 00	285.6	42.1	505
3AS	260.3	482.0	5929.8	2385		1501.0	249.6	1589.5	274.2	616.7
DISTRIBUTION	6.9	224.3	69.69	24.1	52.3	38.7	35.3	33.3	- 000	41.0
FINANCE, R.E.	387.2	1427.8	4175.7	344.5		514.4	213.2	0.480	7.047	1.00.1
CES	-	! !	1 1	; ;	: :	1	;	1	;	i
PERSONAL SERVICES	19.3	43.5	79.6	12.5	34.2	31.7	8.0	20.1	6.9	2.5
TOTAL INTER INPLIF	9555.4	44287.4	111207.7	5816.8	34494.0	14080.8	2596.3	23456.6	3146.2	8645.8
	250.5	593.1	1617.0	499.0		338.5	106.3	325.1	59.2	181.3
SUBSIDIES		1 1		2 2 3 0 1	-314.4	75567	0763	3002	11292	1377
NON-COMP. IMPORTS	6323.9	16070.4	8628.5 46810.4	10237.0	2	8316.9	3674.7	24863.8	3424.9	4574.0
UNINCORP.BUS.INC		3001.8		2500.0	5408 9	15313	1079.9	-442.3	2136.4	2228.4
PROFIT, RENTINT		1065.6	17794.7	371.6		792.0	176.4	1092.1	196.2	1794.5
HOUSEHOLD INCOME	7806.4	21429.6		14127.9		9044.9	4390.7	0.11042		
EDUCATION & HOSP	9.7	113.1		31.0		4.2	24.2	23.8	33.4	54.9
MUNICIPAL REVENUE	21	452.8	1593.2	295.1	963.5	308.4	70.6	233.0	220.6	396.0
FEDERAL REVENUE	~	1384.5	2	2362.2	9	3214.0	1226.3	2698.3	2843.7	516.6
TOTAL PRIMARY	17323.1	25306.7	95893.8	18007.0	32006.8	13534.9	5963.6	28842.0	6945.9	8915.4
FACTOR INCOMESGROSS DOM. PROD		23169.6	67853.7	15280.9	27706.1	9848.2	4754.6 5037.3 085.0	24421.5 25838.7	5816.7	6802.4 8778.2 1339.0
	3504.0	/323.0				0.6701	0.000	4 000004	1 50001	1756.1

FINANCE. R.E.		1 1 1	1	: :	:	1 1	}	1 1	}	; ;	26240	1	: :	1 1	1000	19.8	1501.0	11.2	3016.0	823.0	8897.5	15456.7	19945.9	4500.0	40913.U 12564.6 52400.4	1.000	5689.2	52740.2	135922.1	87955.0 115976.3 8500.0	144819.6
AUTO FIN OPERATION 1		: : :	1	; ;	1	: :	;	1 1	1	1 1	6150	;	1 1	187.0	- 0000	5246.7	640.7	3624.1	11702.3	560.0	24249.8	9375.0	50735.5	14600.0	4446.1 50.190.2		350.0		24043.4	59486.9 73307.9 15944.0	
DISTRIBUTIN OPER		9.8	1	1 1	176.4	4.0/1	100	355.6	9.6001	1, 1	3709.4	450.0	ţ.	1913.4	30.6	33541.4	3412.7	4739.3	21758.4	1016.5	8.69006	6094.3	5057.4		18050.8	t : <	3652.2		293874.4	264672.1 288817.0 56590.0	_
ELEC.POWER DISTR		1 1 1	1 1	3675.7		: :	1	70.0	1 7	25.4	97.6	70.1				3438.4	1307.0	1651.1		1089.5	9068.3	2694.5	273.3	•	C	1	2531.0 1048.2		52616.9 29	40536.4 26 52343.6 28 4000.0	
RADIO,TEL, ELEC. 1ELEG. WATE		1 1 1	;	1 1	;	; ;	1	1 . 1		332.5	40.0	* * * * * * * * * * * * * * * * * * * *	1 1	1 1	0000	776.7	687.5	299.3	627.0	73.5	9.8906	1251.6	1242.2		7280.0		574.8 574.8	5410.7	44030.9	34257.1 42788.7 6950.0	
TRAVEL, ENT IE		1 1 1	1 4	320.3	1	: :	1 9	414.7	14.0	38.0 1310.9	1379.0	3889.0	1.5.1	9549.1	15.6	16670.0	3030.7	5256.2 21911.3	10743.7	4510.0 1141.7 2585.9	30526.8	21127.3				2 ; -	2066.5	23878.8	228902.6	185640.8 220256.6 40900.0	359429.3
CON- IRAV		120.7 515.6	1 ;	3783.1	: 1	: :	:		3948.6		9363.6			6061.6 8281.4			1286.8			218.3	289805.4 13	1791.0		•	10428.1 4		735.0		275595.5 22	224506.1 18 236725.1 22 52850.0 4	
MISC. COMANUF. STRU		28.4	1 ;	9.3	308.6	: :	1 6				52.6 2			15.6 94.2					112.5 2	3.2 69.2 1	1932.8 28	102.3	727.4 3		141.8	,	76.5		3753.1 27	2781.6 22 3025.7 23 645.0 5	
FERT.PAINT MA SOAP MA	ı	1 1 1	1 1	31.7	1.0	0.67	}	1 1	492.1	0.777	182.9	: :) f 1 f	99.0 1078.0	- 00	613.2	124.0	293.4	281.5	3.4 160.7	4804.9	9.86	4697.5		357.8		83.2	6669.3		4455.7 4912.1 487.0	414.5
PETROLLUM FERT		1 1 1	1 1	1 1	ŀ	: :	1	: 1	1	646.7	113.7	1	ř	1826.9	- 100	3736.6	665.9	3408.8	2884.6	30.7	16627.4	465.7	62194.8		6298.8		460.1		83103.6	14144.4 20908.9 667.0	99730.9
PH R		S	6 6 6 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	V						9 4 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9				6 6 6 9 8 9 8 9							0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	* * * * * * * * * * * * * * * * * * *							90		
		AGRIC, PRODUCTS		TAI OHARRIE	MEAT, DAIRY, FRUIT	OOD PRODUCTS	S.DRINK, DIST, BREW	TEXTILES, CLOTHING	PULP-PAPER & PROD	PRINTING IRON-STEEL PROD	METAL PRO	TRANSP. EQUIPT.	NONMET.MINERAL PR.	EUM PROD	MISC, MFG, PROD.	TRANSP, TRAVEL, ENT	KADIO, IEL, IELEO. E.POWER, WATER, GAS	DISTRIBUTION AUTO OPERATION	FINANCE, R. E.	HOTELS, REST. PERSONAL SERVICES	TOTAL INTER.INPUT	TAXES	NON-COMP. IMPORTS WAGES & SALARIES	UNINCORP.BUS.INC.	DEPRECIATION	EDUCATION & HOSP	MUNICIPAL REVENUE	IMPORT LEAKAGE	TOTAL PRIMARY	FACTOR INCOMESGROSS DOM. PROD	TOTAL OUTPUT
																				HOTELS, BERSON, BARRINES	35 TOTAL				42 DEPRECI			48 IMPORT	TOTAL	50 FACTOR 51 GROSS D 52 EMPLOYI	

MODEL 1 ATLANTIC PROV., 1960 - INPUTS AND DEMAND FLOWS B, D, E (\$'000)

		DWELLING SERVICES	HOTELS, REST.	PERSONAL SERVICES	BUSINESS SERVICES	PERSONAL CONS.	CAPITAL FORMATION	INVENTORY	FED. GOVT. DEFENCE	FED, GOVT. CIVIL	PROVINCIAL GOVT.
		=	32	33	34	35	36	37	38	39	40
		10	1	;	;	79012.4	1980.4	312.7	63.7	183.0	162.1
7	FORESTRY PRODUCTS	1	:	:	: :	7116.6	1 1	13993.3	1 1	2.8	67.0
W 4		1 1		: :	: :	1 1 1	1261.8	000	1.0001	107 6	1.45
150		;	438.4	;	:	7127.5	1 1	-38.8	1.208.7	0.761	83.0
91			: :	1 1	: :	150219.4	1	4696.4	1095.7	345.2	195.1
~ ∞	SEC. FISH PRODUCTS		;	}	1	16527.5		19872	182.7	8.0 58.0	7.1.0
6			! !	: :	; ;	41141.0	1 1	108.8		1	
2 =			95.2	126.1	8.0	83832.4	01500	341.9	161.9	226.1	151.0
12		1	667.2	845.9	: :	1212.9	6.11.97	1996.9	-	0.5	1.1.07
2 7		1 1	311.5	137.0	7001.0	8331.0	1	-7.9		41.4	3063.1
15		}	: :		81.0	: :	531.6	-64.8	411.8	101.1	1177.1
10			1	1633.0	:	1	146595.4	-171.3	713.4	631.6	982.1
<u>×</u>	TRANSP. EQUIPT.		1 1	1 1	0.50	13046.0	4969.3	0.261-	3937.0	169.4	46.0
900			! !	14.0	2 1			2.0	259.6	62.2	35.9
21		1	2004.8	115.5	45.4	52136.7	1 1	3036.3	839.3	242.1	176.3
22	FERT, PAINT, SOAP		89.5	1123.6	475.0	1064.0		16.2	- 30000	0.2	34.4
24		35300.0	245.0	1293.0	7 0000	8 06158	282270.6	; ;	1304.3	5495.0	93/64.0
25			1131.6	1465.2	6072.8	17236.0	1	!	380.8	358.7	468.1
27			2005.8	948.7	225.0	29602.1	1 1	1 :	3353.4	1708.2	1653.3
28	DISTRIBUTION		528.7	047.0	1013.2	111658.3	1	!	303.5	237.1	1487.8
30		2491.0	3861.1	6743.3	1888.8	8708.5	;	; ;	23.3	829.4	1577.0
31		:		1 1	: :	50811.3	1 ;			1	1
33		: :	1729.7	281.5	1.2	98276.8		1 1	186.0	303.1	3829.2
34		;	2187.2	0.061	40.9				0 7 3 5 5	0 1 300 3	
35	TOTAL INTERINPUT	37791.0	20410.5	18135.9	20183.8	1443328.0	440497.5	702/7.4	51154.8	0.10000	6.11711.9
36	TAXES	25259.6	3270.0	4909.9	3040.2	232528.6	00001	1	0.09	59.2	393.4
37	SUBSIDIES	;	11253		15740.5	199163.6	0.0001-	49.5	1189.7	1539.2	5420.1
00 00		: :	15330.2	347	10190.4		-	1	77000.0	108910.0	38032.3
40		57479 1	9656.8	318	2274.3	1 1	1 1	! !	1 1	1	26835.0
4 2 4 2			2974.8	2187.2	610.0	1		: :	77000	108910.0	51632.3
43		50978.1	25753.8			13098.0	1 1	1	1		;
44	PROVINCIAL REVENUE		1383.0		620.	95011.4	-1050.0	•	; ;	1 1	1 1
46			1788.4	3874.1		110268.3	: :	1 100	0.09	59.2	393.4
4		13500.0	3197.1		16566.3	199163.6	1				1.00001
49	TOTAL PRIMARY	152637.9	35486.1	89176.0	36455.4	431692.3	-1050.0	49.5	78249.7		
50		152637.9	28116.0 34360.8	78145.8 85242.9 23500.0	17064.7 20714.9 3150.0	232528.6	-1050.0		77000.0 77060.0 16900.0	108910.0 108969.1 26200.0	64867.3 65260.7 10200.0
52	EMPLOYM	411.0	0.04.00			18750100	2 72447 5	26621.9	129404.4	169360.1	192392.6
u	TOTAL OUTPUT	190428.9	55896.5	10/311.9	200027.4	10/2017:0					

TOTAL	49	156175.9 63960.3 81439.3 81439.3 81439.3 81439.3 175685.4 126716.7 138998.9 42451.4 108390.6 108356.1 218705.1 24771.6 78817.3 54155.8 212730.5 64771.6 7887.3 54155.8 212730.5 65400.9 365400.9 365400.9 383944.0 148292.9 144819.3 200894.9 55896.6 107311.6 56894.9	4212107.0	351538.2 -46456.3 524082.6 1383490.0 257818.6 423547.8 247952.6 1819496.0 144749.0 77645.0 118041.1 720988.4 3141967.0 2064853.0 2617883.0 420417.0
TOTAL INTER.DEM.	48	44476.4 69918.5 8256.2 18935.4 7526.7 9380.2 20512.5 647.6 847.1 62084.1 9776.6 24145.4 45705.3 9776.6 24145.4 45705.3 10256.1 10256.1 10256.1 10256.1 10256.1 10256.1 10256.1 10256.1 10256.1 10256.1 10256.1 10256.1 10256.1 10256.1 10306.8 86576.4 33310.7	1278949.0	118283.5 -36218.0 300615.0 1028799.1 257818.6 376230.7 247952.6 1443205.0 50787.6 63494.0 16235.1 471803.6 2293478.0 1652845.0 1992861.0 3372426.0
FOTAL	47	29021.5 17050.0 23248.4 138640 64121.9 35134.6 5540 17057.3 18462.7 200.0 5540.2 6254.4 1003.4 1003.4 1003.4 1003.4 1003.4 1039.8 4253.0 1039.8	696616.3	-91883
FYPOR IS CANADA	46	20432.0 4124.0 4124.0 2003.0 2609.5 2694.1 34792.2 34792.2 34792.2 2694.1 468.3 146.58 2297.3 2297.3 2200.0 80.9 1954.8 1954.8 1954.8 2052.1 2	304385.3	-9188.3 -9188.3 -9188.3 -9188.3
EXPORTS-	45	8889.5 12926.0 6492.5.0 1875.0 8331.0 3594.3 79627.9 342.4 65.7 11760.0 159077.3 11782.8 2161.4 22.5 1087.4 1087.4 1038.8 1038.8 1038.8	392231.0	392231.0
TOTAL DOM.	44	22678.1 21247.7 1261.8 9980.8 9980.8 9980.8 1600.33.0 16914.7 83351.9 41249.8 83351.9 41249.8 82091.4 149070.9 21809.2 17609.2	2236542.0	233254.7 -1050.0 223467.6 354692.8 47317.1 -376292.8 13098.0 93961.4 14151.0 110994.3 249184.8 857682.4 402009.9 634214.6 86850.0
HOSPITAL	43	932.1 8.0 8.0 1.444.1 3349.9 161.7 508.9 347.9 347.9 347.9 35.3 104.8 1158.3 104.8 1158.4 1175.0 2273.6 1148.4 2273.6 2273.	31763.4	24.1 10354.5 45035.7 3124.1 46185.7
EDUCATION	42	836.0 836.0 35.2 497.4 470.7 470	41257.4	74.6 3988.2 69517.0 7771.0 772367.0 772367.0 81350.8 77288.0 77288.0 77362.6 16700.0
MUNICIPAL	14	32.0 60.0 60.0 60.0 10.0 10.0 10.0 10.0 10	21409.8	114.9 1763.0 16197.9 9587.0 20197.9 1350.0 27662.8 25899.8 5850.0
		AGRIC. PRODUCTS. PORESTRY PRODUCTS. PRIMARY FISH. METALS. COAL. NONMETALOUARRIES. MISC. FOOD PROD. SEC. FISH PRODUCTS. MISC. FOOD PROD. SCRINK, DIST, BREW. TEXTILES, CLOTHING. SAWMILL, WOOD PROD. PRINTING. RON-STEEL PROD. HEARIS. METAL PROD. HEARIS. METAL PROD. HEARIS. GOUIPT. TRANSP. EQUIPT. PRANSP. EQUIPT. PRANSP. EQUIPT. TRANSP. EQUIPT. PETROLEUM PROD. HETROLEUM PROD. TRANSP. TRANSP. STRINGLION. TRANSP. TRANSP. STRINGLION. TRANSP. TRANSP. HETROLEUM PROD. TRANSP. TRANSP. STRINGLION. STRIBUTION. TRANSP. TRANSP. STRIBUTION. STRI	35 TOTAL INTER.INPUT	36 TAXES





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